Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	0.00	Rating **	Α	Issue No.		53			
LM End	0.00	Issue Type +	Ma	Location *	ation * N/A				
Catagony	Category Earthen Levee			GPS Latitude/Longitude					
Calegory			Start		End				
Item		s & Maintena	nce		0		0		
item	Manuals				0		0		
DWR ID DWR_RD0999_01_s _ 2013_53									
		Comn	nent Cod	de					
							\neg		
		Inspecto	or Comm	nent					
The LMA h	nas copy o	f the O & M m	anual or	n file.					

No Photos

LM Start	0.00	Rating **	Α	Issue No.		54	
LM End	0.00	Issue Type +	Ma	Location *		N/A	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category			Start		End		
Item		y Supplies &			0		0
пеш	Equipmen	nt			0		0
DWR ID	DWR_RD0	999_01_s _ 201	3_54				
		Comn	nent Coo	de			

No Photos

Inspector Comment

The LMA has adequate floodfight supplies and equipment on hand.

LM Start	0.00	Rating **	Α	Issue No.		55	
LM End	0.00	Issue Type +	Ma	Location *		N/A	
Catagory	Earthen L	evee		GPS La	atitud	le/Longitude	
Category	Category					End	
Item	Flood Pre	Tood Preparedness & Training			0		0
item					0		0
DWR ID	DWR_RD0	999_01_s _ 201	13_55				
		Comn	nent Coo	le			
	Inspector Comment						
The LMA is	s prepared	for respondir	ng to floo	ds and has	rec	eived training	-

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side		C : Corrected	
CR : Crown	M : Minimally Acceptable	A/W : Acceptable but Monitor & Maintain	Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	0.27	Rating **	М	Issue No.		3							
LM End	0.27	Issue Type +	Ma	Location *	LS								
Category	evee	GPS Latitude/Longitude											
Calegory				Start		End							
Item	Vegetatio	า		38.5011	13 °	38.501113 °							
iteiii				-121.5819	75°	-121.581975 °							
DWR ID DWR_RD0999_01_s _ 2012_3													
		Comn	nent Cod	de									
V4 : Elderl	perries are	blocking visit	ility and	flood fight	capa	bility.							
		Inspecto	or Comm	nent									



View of landside slope looking south.

LM Start	1.73	Rating **	М	Issue No.		919	
LM End	1.73	Issue Type +	Ma	Location *			
Category	Suppleme	ental		GPS La	tituc	le/Longitude	
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	onsibility	38.48009)7°	38.480097	0
пеш				-121.58084	۱4°	-121.580844	0
DWR ID	22743						

Comment Code

Inspector Comment

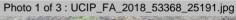
FS_ID:53368 DS_ID:22743 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 07/26/2018 Same as last inspection. Pipe open on WS, but no visual signs of pipe or levee integrity issues so downgrading crossing to Non-Urgent (D. Sanoski - DWR UCIP).07/07/2016 Condition largely unchanged from previous inspection. Pipe open on the WS, waterward of the siphon breaker. Dense vegetation and steep

slope limited inspection of WS outlet into Ship Channel. (T. Hatch/UCIP) 06/25/2013 Pipe abandoned and open on WS slope. Pipe should be abandoned properly. (W. Wylie/UCIP)

FIELD_STRUCT_DESC: *ABANDONED* 30-inch steel drainage pipe through the levee, 6.5 feet below the crown. Pump on a platform in the canal off the landside (LS) toe, not found. Flap gate on the waterside (WS), not found. Siphon breaker and an air vent on the WS shoulder. 1inch galvanized iron filler pipe visible on the WS shoulder along same alignment. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 1.73)]. FS Date: 7/26/2018 10:10:00 AM





Pipe open on WS slope

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	1.73	Rating **	М	Issue No.		919 (cont)
LM End	1.73	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS La	titud	e/Longitude
Calegory			Start		End	
Item	DWR UCI	P LMA Respo	nsibility	38.4800	97°	38.480097 °
пеш				-121.5808	14°	-121.580844°
DWR ID	22743					

Inspector Comment

Comment Code

FS_ID:53368 DS_ID:22743 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 07/26/2018 Same as last inspection. Pipe open on WS, but no visual signs of pipe or levee integrity issues so downgrading crossing to Non-Urgent (D. Sanoski - DWR UCIP).07/07/2016 Condition largely unchanged from previous inspection. Pipe open on the WS, waterward of the siphon breaker. Dense vegetation and steep slope limited inspection of WS outlet into Ship Channel. (T. Hatch/UCIP) 06/25/2013 Pipe abandoned and open on WS slope. Pipe should be abandoned properly. (W. Wylie/UCIP)

FIELD_STRUCT_DESC: *ABANDONED* 30-inch steel drainage pipe through the levee, 6.5 feet below the crown. Pump on a platform in the canal off the landside (LS) toe, not found. Flap gate on the waterside (WS), not found. Siphon breaker and an air vent on the WS shoulder. 1-inch galvanized iron filler pipe visible on the WS shoulder along same alignment. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 1.73)]. FS Date: 7/26/2018 10:10:00 AM

LM Start	1.73	Rating **	М	Issue No.	919 (cont)
LM End	1.73	Issue Type +	Ma	Location *	



Pump platform visible off LS toe, but no appurtances remain.

Photo 3 of 3: UCIP_FA_2018_53368_25189.jpg



Pump platform visible off LS toe, but no appurtances remain.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	1.79	Rating **	М	Issue No.		30	
LM End	2.04	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
				Start		End	
Itom	Trim / Thi	n Trees		38.479165°		38.475463	0
Item				-121.580640 °		-121.580722	0
DWR ID DWR_RD0999_01_s _ 2012_30							
Comment Code							

T1: Trim trees to at least five feet above ground level.

Inspector Comment

LMA claims that RD765 is responsible for maintenance for landside section approximately between LM 1.79-2.25 and is looking for documentation.

LM Start	1.79	Rating **	М	Issue No.	30 (cont)
LM End	2.04	Issue Type +	Ma	Location *	LS



View of untrimmed trees on landside slope. LMA claims that RD 765 is responsible for maintenance. Fall 2018

Photo 2 of 2: FA_2018_RD0999_232_30_20180910_00012.jpg



Looking southeast at dense trees on landward slope. (Fall 2016)

LM Start	2.13	Rating **	М	Issue No.		31	
LM End	2.13	Issue Type +	Ма	Location *	LS		
Category	Category Earthen Levee			GPS Latitude/Longitude			
Category				Start		End	
Item	Trim / Thi	n Trees		38.4742	00°	38.474200	0
пеш				-121.5804	80°	-121.580480	0
DWR ID	DWR_RD0	00999_01_f _ 2018_31					
Commont Codo							

T3: Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

LMA claims that RD765 is responsible for maintenance and is searching for documentation.

Photo 1 of 3: FA_2018_RD0999_232_31_20181107_00088.jpg



View of untrimmed trees on landside slope. LMA claims that RD 765 is responsible for maintenance. Fall 2018

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	2.13	Rating **	М	Issue No.		31 (cont)	
LM End	2.13	Issue Type +	Ма	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start End			
Item	Trim / Thi	n Trees		38.47420	00°	38.474200 °	
пеш				-121.58048	30°	-121.580480 °	
DWR ID	DWR ID DWR_RD0999_01_f _ 2018_31						

Comment Code

T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

LMA claims that RD765 is responsible for maintenance and is searching for documentation.

LM Start	2.13	Rating **	М	Issue No.	31 (cont)
LM End	2.13	Issue Type +	Ma	Location *	LS

Photo 2 of 3: FA_2018_RD0999_232_31_20180910_00014.jpg



Looking north at untrimmed trees on landward slope. (Fall 2016)

Photo 3 of 3: FA_2018_RD0999_232_31_20180910_00015.jpg



Looking southeast at untrimmed trees on landward slope. (Spring 2016)

LM Start	2.17	Rating **	М	Issue No. 32		32		
LM End	2.17	Issue Type +	Ma	Location *	WS			
Category Earthen Levee			GPS Latitude/Longitude					
Calegory				Start End				
Item	Vegetatio	n		38.4736	50°	38.473650°		
item				-121.580756 ° -121.58075				
DWR ID DWR_RD0999_01_f _ 2017_32								
	0 101							

Comment Code

 $\ensuremath{\mathsf{V2}}$: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Trim wild growth on levee slope, and monitor Arundo in area.

Photo 1 of 2: FA_2018_RD0999_232_32_20181107_00086.jpg



View of tall weeds on levee slope. Fall 2018

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated
M: Minimally Acceptable
C: Corrected
D: Unacceptable AW: Acceptable but Monitor & Maintain

** Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	2.17	Rating **	М	Issue No.	32 (cont)		
LM End	2.17	Issue Type +	Ма	Location *	WS		
Catagony	Category Earthen Levee			GPS Latitude/Longitude			
Category			Start		End		
Item	Vegetatio	n		38.4736	50°	38.473650°	
пеш				-121.5807	56°	-121.580756°	
DWR ID	DWR ID DWR_RD0999_01_f _ 2017_32						
	Comment Code						

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Trim wild growth on levee slope, and monitor Arundo in area.

Photo 2 of 2: FA_2018_RD0999_232_32_20181107_00087.jpg



View of Arundo further down levee slope. Fall 2018

LM Start	2.51 Rating ** C		С	Issue No.		40	
LM End	2.51	Issue Type + Ma		Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start End			
Item	Encroach	ments		38.4690	48°	38.469048 °	
item				-121.5830	75 °	-121.583075 °	
DWR ID	DWR_RD0	999_01_s _ 201	2_40				

Comment Code

MA: Material

Inspector Comment

Excavation activity on landside shoulder. Hole is approximately 15ft x 12" x 15". Hole appears to be excavated by a backhoe.

No Photos

LM Start	3.22	Rating **	М	Issue No.		51	
LM End	3.22	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Item	Slope Sta	bility		38.4593	99°	38.459399	0
пеш				-121.5875	23 °	-121.587523	0
DWR ID	DWR_RD0	999_01_s _ 201	3_51				

Comment Code

S1: Repair slope instability.

Inspector Comment

Depression on landward shoulder and slope 40' x 20'. Earthen material appears to be sliding toward levee toe.

Photo 1 of 3: FA_2018_RD0999_232_51_20180910_00036.jpg



View of landside slope looking south. Fall 2017

* Location A : Acceptable M : Minimally Acceptable N/A: Not Applicable LS: Land Side N : Not Inspected/Rated WS: Water Side C : Corrected U : Unacceptable

A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	3.22	Rating **	М	Issue No.		51 (cont)
LM End	3.22	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atituc	le/Longitude
Calegory			Start		End	
Itom	Slope Stability			38.4593	99°	38.459399°
item			-121.587523 °		-121.587523 °	
DWR ID DWR_RD0999_01_s _ 2013_51						
		Comn	nent Cod	de		
S1 : Repai	r slope ins	tability.				
		Inspecto	or Comm	nent		
Depression on landward shoulder and slope 40' x 20'. Earthen material appears to be sliding toward levee toe.						

LM Start	3.22	Rating **	M	Issue No.	51 (cont)
LMEnd	2 22	Iceua Typa +	Ma	Location *	1.0



Looking northeast at depression on landward slope. (Fall 2016)



Looking north at depression on landside shoulder and slope. (Spring 2016)

-						
LM Start	4.16	Rating **	N	Issue No.		14
LM End	4.16	Issue Type +	Ма	Location *		WS
Category	Earthen L		GPS La	atitud	e/Longitude	
Category			Start		End	
Item	Trim / Thin Trees			38.446619°		38.446619°
пеш			-121.593442 °		-121.593442°	
DWR ID DWR_RD0999_01_s _ 2012_14						
		Comn	nent Cod	de		
T5 : Tree s	stumps.					
		Inspecto	or Comm	nent		

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	4.17	Rating **	С	Issue No.		15	
LM End	4.17	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory			Start		End		
Item	Trim / Thin Trees			38.446478°		38.446478 °	
item			-121.593508°		-121.593508°		
DWR ID DWR_RD0999_01_s _ 2012_15							
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
		Inspecto	or Comm	nent			
		тороск	J. 0011111	10111			

No Photos

LM Start	4.31	Rating **	М	Issue No.		27	
LM End	4.31	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS La	titud	e/Longitude	
Calegory			Start		End		
Item	Slope Sta	lope Stability			60°	38.444560°	
item				-121.594440 °		-121.594440°	
DWR ID	DWR_RD0999_01_f _ 2012_27						

Comment Code

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Local farmer causing slope damage by driving equipment and trucks on slope.

LM Start	4.31	Rating **	М	Issue No.	27 (cont)
LM End	4.31	Issue Type +	Ма	Location *	WS

Photo 1 of 2 : FA_2018_RD0999_232_27_20180910_00008.jpg



Looking at slope damage cause by vehicle traffic on waterward slope. (Fall 2016)

Photo 2 of 2 : FA_2018_RD0999_232_27_20180910_00009.jpg



Looking at slope damage cause by vehicle traffic on waterward slope. (Spring 2015)

*Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
U: Unacceptable
A/W: Acceptable but Monitor & Maintain

** Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	7.61	Rating **	С	Issue No.		58	
LM End	7.61	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category		Start		End			
Itom	Erosion / Bank Caving			38.3996	00°	38.399600	0
Item				-121.615224°		-121.615224	0
DWR ID	DWR_RD0	999_01_f _ 201	6_58				
		Comn	nent Cod	le			
	Inspector Comment						
LMA filled	LMA filled in depression (10' by 20') on landward slope.						

No Photos

LM Start	8.17	Rating **	A/W	Issue No.		16	
LM End	8.17	Issue Type +	Ма	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Cracking			38.3919	63 °	38.391963°	
пеш				-121.6187	82 °	-121.618782°	
DWR ID	DWR_RD0	999_01_f _ 201	8_16				

Comment Code

CR1: Monitor and have inspected by geotechnical engineer.

Inspector Comment

Monitor desiccation cracks on slope.

Photo 1 of 1: FA_2018_RD0999_232_16_20181105_00073.jpg



View of desiccation cracks on levee slope. Fall 2018

	LM Start	8.49	Rating **	A/W	Issue No.		17	
	LM End	8.49	Issue Type +	Ma	Location *		LS	
	Category	Earthen L	GPS Latitude/Longitude					
					Start		End	
	Item	Cracking			38.3876	45°	38.387645	0
	item				-121.6208	10°	-121.620810	0
	DWR ID	DWR_RD0	999_01_f _ 201	8_17				

Comment Code

CR1: Monitor and have inspected by geotechnical engineer.

Inspector Comment

Monitor desiccation cracks on landside shoulder.

Photo 1 of 1: FA_2018_RD0999_232_17_20181105_00074.jpg



View of desiccation cracks on levee shoulder. Fall 2018

*	Lo	ca	ti	0	n

LS: Land Side N/A: Not Applicable

WS : Water Side N/A : Not App

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated

C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

fonitor & Maintain En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	8.80	Rating **	U	Issue No.		18	
LM End	8.80	Issue Type +	Ма	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Itom	Animal Co	Animal Control			68°	38.383468 °	
Item				-121.6227	48 °	-121.622748°	
DWR ID	DWR_RD0999_01_f _ 2018_18						
			_				

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Backfill large animal burrows at shoulder and slope.

Photo 1 of 1: FA_2018_RD0999_232_18_20181105_00075.jpg



View of large animal burrows at shoulder and slope. Fall 2018

LM Start	8.89	Rating **	A/W	Issue No.		22	
LM End	8.89	Issue Type +	Ма	Location *		LS	
Category	evee	GPS Latitude/Longitude					
Calegory			Start		End		
Cracking			38.3821	45°	38.382145 °	>	
пеш			-121.6233	63°	-121.623363 °	>	
DWR ID	DWR_RD0999_01_f _ 2018_22						1

Comment Code

CR1: Monitor and have inspected by geotechnical engineer.

Inspector Comment

Desiccation cracks should be monitored

Photo 1 of 1: FA_2018_RD0999_232_22_20181105_00076.jpg



View of cracking on slope. Fall 2018

LM Start	9.13	Rating **	М	Issue No.		23		
LM End	9.19	Issue Type +	Ma	Location *		LS		
Catagory	Category Earthen Levee					GPS Latitude/Longitude		
Category				Start		End		
Item	Vegetation			38.3789	23°	38.378183	0	
пеш				-121.6248	23 °	-121.625320	0	
DWR ID	DWR RD0	999 01 f 201	8 23					

Comment Code

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Clear vegetation on land side levee slope.

No Photos

Location

N/A: Not Applicable LS: Land Side

WS: Water Side

: Acceptable : Minimally Acceptable

U : Unacceptable

N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	9.63	Rating **	С	Issue No.		21	
LM End	9.63	Issue Type +	Ma	Location *	CR		
Category	Earthen L	GPS La	atitud	e/Longitude			
Calegory				Start		End	
Item	Vegetatio	n		38.372118°		38.372118°	
пеш			-121.627982 °		-121.627982°		
DWR ID	DWR_RD0	8_21					
		Comn	nent Cod	de			
V9 : Keep	the crown	roadway free	of veget	ation.			
		Inspecto	or Comm	nent			

No Photos

LM Start	9.65	Rating **	М	Issue No.		24
LM End	9.65	Issue Type +	Ma	Location *		WS
Category	evee	GPS Latitude/Longitude				
Calegory			Start		End	
Item	Vegetation			38.3718	50°	38.371850°
пеш			-121.6281	82°	-121.628182°	
DWR ID	DWR_RD0999_01_f _ 2018_24					

Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Tall weeds on levee shoulder need to be cleared.

Photo 1 of 1: FA_2018_RD0999_232_24_20181105_00078.jpg



View of tall vegetation on levee slope. Fall 2018

LM Start	9.68 Rating ** M		Issue No.		29		
LM End	9.73	Issue Type +	Ma	Location *	WS		
Category	evee	GPS Latitude/Longitude					
Category				Start		End	
Item	Vegetation			38.37146	62°	38.370802	0
пеш				-121.62837	70°	-121.628640	0
DWR ID	DWR_RD0	999_01_f _ 201	8_29				

Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Trim vegetation on slopes.



View of slope vegetation that needs to be trimmed. Fall 2018

* Location LS: Land Side WS: Water Side

N/A: Not Applicable

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	9.68	Rating **	М	Issue No.		25	
LM End	9.73	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End		
Item	Vegetation			38.371462°		38.370793°	
item				-121.628370 °		70° -121.628663°	
DWR ID	DWR_RD0	999_01_f _ 201	8_25			·	
		Comn	nent Cod	de			
V1 : Control annual grass and weeds on the levee slopes and easements.							
Inspector Comment							
Clear vege	tation on s	slopes.					

Photo 1 of 1: FA_2018_RD0999_232_25_20181105_00079.jpg

View of landside vegetation that needs to be trimmed. Fall 2018

LM Start	9.98 Rating ** M			Issue No.		33	
LM End	9.98	Issue Type +	Ма	Location *		LS	
Catagory	evee	GPS Latitude/Longitude					
Category				Start		End	
	Animal Control			38.3673	03°	38.367303°	
Item				-121.6302	78°	-121.630278°	
DWR ID	DWR_RD0999_01_f _ 2018_33						

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Backfill recent rodent holes.

Photo 1 of 1 : FA_2018_RD0999_232_33_20181105_00081.jpg



View of rodent holes that need to be backfilled. Fall 2018

LM Start	11.16	Rating **	A/W	Issue No.		35		
LM End	11.16	Issue Type +	Ma	Location *	* LS			
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Animal Control			38.3513	08°	38.351308	0	
пеш				-121.6376	42 °	-121.637642	0	
DWR ID	DWR_RD0	8_35						
Comment Code								

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Monitor animal activity.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	11.30	Rating **	С	Issue No.		43	
LM End	11.59	Issue Type +	Ma	Location *		CR	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item		rface / Depres	ssions /	38.3493	80°	38.345353	0
пеш	Rutting			-121.6385	40°	-121.640432	0
DWR ID	DWR_RD0	999_01_s _ 201	2_43				
		Comn	nent Coc	de			
C3: Add a	ppropriate	gravel or roa	d base.	Grade and	com	pact.	
		Inspecto	or Comm	nent			
LMA repai	red crown	surface and a	dded gra	avel.			

No Photos

LM Start	13.18	Rating **	A/W	Issue No.		36	
LM End	13.20	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Lat	itud	e/Longitude	
Calegory				Start		End	
Item	Cracking			38.32279	7°	38.322605	0
пеш				-121.64499	7°	-121.644973	0
DWR ID	DWR_RD0	999_01_f _ 201	8_36				
		Comp	ant Coo	lo.			

Comment Code

CR1: Monitor and have inspected by geotechnical engineer.

Inspector Comment

Monitor cracking on levee shoulder.

No Photos

LM Start	14.04	Rating **	M	Issue No.		49	
LM End	14.04	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.3103	47°	38.310347	0
item				-121.6449	55°	-121.644955	0
DWR ID	DWR_RD0	999_01_f _ 201	2_49				
		Comp	ant Coc	ما			

Comment Code

E1: Note and monitor erosion site.

Inspector Comment

Caving, 4' x 10', on landside slope.



View of caving on landward slope. Fall 2018

*Location

LS: Land Side N/A: Not Applicable WS: Water Side
CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated
M: Minimally Acceptable C: Corrected
U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating
A: + Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	15.24	Rating **	A/W	Issue No.		925
LM End	15.24	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS La	itud	e/Longitude
Calegory				Start		End
Item	DWR UCI	P LMA Respo	nsibility	38.29297	3°	38.292973 °
пеш				-121.64497	7°	-121.644977 °
DWR ID	22756					·

Comment Code

Inspector Comment

FS_ID:15365 DS_ID:22756 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found UCIP Comments:

FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Pump in pump house on the landside (LS) toe. Siphon breaker in a corrugated metal pipe (CMP) riser on the WS shoulder. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 15.25) (36-inch pipe listed)].

FS Date: 6/25/2013

l					
LM Start	15.24	Rating **	A/W	Issue No.	925 (cont)
LM End	15 24	Issue Type +	Ma	Location *	



Pumphouse on LS toe.

Photo 2 of 3: UCIP_FA_2018_15365_25226.jpg



Siphon breaker in CMP riser on WS shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	11/02/2018 11/07/2018	Luz Dial

LM Start	15.24	Rating **	A/W	Issue No.		925 (cont)
LM End	15.24	Issue Type +	Ма	Location *	ation *	
Category	Suppleme	ental		GPS Latitude/Longitude		le/Longitude
Category				Start End		End
Item	DWR UC	IP LMA Respo	nsibility	38.29297	'3 °	38.292973°
пеш				-121.64497	7°	-121.644977°
DWR ID	22756					
		Comn	nent Cod	le		

Inspector Comment

FS_ID:15365 DS_ID:22756 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments:

FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Pump in pump house on the landside (LS) toe. Siphon breaker in a corrugated metal pipe (CMP) riser on the WS shoulder. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966, (HLM 15.25) (36-inch pipe listed)]. FS Date: 6/25/2013

Photo 3 of 3: UCIP_FA_2018_15365_25225.jpg



Closeup of pipe at pumphouse on LS toe.

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	11/02/2018 11/02/2018	Luz Dial

Category Earthen Levee GPS Latitude/Longitude Start Enr.	LM Start
Start En- Item	LM End
Start Enc.	Catagony
DWR ID DWR_RD0999_02_f _ 2017_21 Comment Code T1 : Trim trees to at least five feet above ground level.	Jalegory
-121.643873 -121.64 DWR_RD0999_02_f _ 2017_21 Comment Code T1 : Trim trees to at least five feet above ground level.	
Comment Code T1 : Trim trees to at least five feet above ground level.	пеш
T1 : Trim trees to at least five feet above ground level.	DWR ID
ŭ	
Inspector Comment	1 : Trim ti



View of landside slope looking north. Fall 2017

LM Start	0.35	Rating **	С	Issue No.	12			
LM End	0.35	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory				Start		End		
Item	Trim / Thin Trees			38.291125°		38.291125°		
пеш			-121.6387	30°	-121.638730°			
DWR ID DWR_RD0999_02_s _ 2018_12								
	0 101							

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

Nο	Photos
110	FIIOLOS

LM Start	0.71	Rating **	С	Issue No.		44		
LM End	0.71	Issue Type +	Ma	Location *		WS		
Category	Earthen Levee			GPS La	atitud	le/Longitude		
Calegory				Start		End		
Trim / Thin Trees			38.2926	89°	38.292689	0		
пеш				-121.632730 °		-121.632730	0	
DWR ID	DWR_RD0	999_02_f _ 201	5_44					
		Comn	nent Cod	de				
T1 : Trim to	rees to at I	east five feet	above g	round level				
	Inspector Comment							

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	11/02/2018 11/02/2018	Luz Dial

0.73	Rating **	С	Issue No.	37			
0.73	Issue Type +	Ma	Location *		LS		
Earthen L	evee		GPS La	atitud	le/Longitude		
			Start		End		
Trim / Thi	n Trees	38.2927	83°	38.292783°			
			-121.632317°		-121.632317°		
DWR_RD0	999_02_s _ 201	4_37					
	Comn	nent Cod	de				
rees to at I	east five feet	above g	round level.				
•							
Inspector Comment							
	0.73 Earthen L Trim / Thin	0.73 Issue Type + Earthen Levee Trim / Thin Trees DWR_RD0999_02_s _ 201 Comn rees to at least five feet	0.73 Issue Type + Ma Earthen Levee Trim / Thin Trees DWR_RD0999_02_s _ 2014_37 Comment Cocrees to at least five feet above g	0.73 Issue Type + Ma Location * Earthen Levee GPS La Start Trim / Thin Trees 38.2927 -121.6323 DWR_RD0999_02_s _ 2014_37 Comment Code rees to at least five feet above ground level.	0.73 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Trim / Thin Trees 38.292783 ° -121.632317 ° DWR_RD0999_02_s _ 2014_37 Comment Code rees to at least five feet above ground level.		

No Photos

LM Start	0.76	Rating **	С	Issue No.		26			
LM End	0.78	Issue Type +	Ma	Location *	WS				
Category	Earthen L	evee		GPS Lat	itud	e/Longitude			
Calegory				Start		End			
Item	Trim / Thi	n Trees		38.29266	8 °	38.292613	0		
пеш				-121.63175	5 °	-121.631542	0		
DWR ID DWR_RD0999_02_f _ 2013_26									
	Commant Coda								

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

LM Start	0.82	Rating **	М	Issue No.		14	
LM End	0.82	0.82 Issue Type + Ma Location *			LS		
Category	Earthen L	arthen Levee			GPS Latitude/Longitude		
Calegory				Start		End	
Item	Vegetatio	n		38.2924	39°	38.292439°	
iteiii				-121.6307	81 °	-121.630781 °	
DWR ID	DWR RD0	999 02 f 201	2 14				

Comment Code

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Century plant on landside slope. LMA plans to remove it this season.

Photo 1 of 2: FA_2018_RD0999_233_14_20180910_00011.jpg



Looking north at century plant at landward toe. Fall 2015.

* Location + Issue Type Ma: Maintenance Deficiancy LS: Land Side N/A: Not Applicable A : Acceptable M : Minimally Acceptable N: Not Inspected/Rated WS: Water Side C : Corrected Ob : Design & System Obsolescence A/W : Acceptable but Monitor & Maintain U : Unacceptable En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	11/02/2018 11/02/2018	Luz Dial

LM Start	0.82	Rating **	М	Issue No.		14 (cont)
LM End	0.82	Issue Type +	Ma	Location *		LS
Category Earthen Levee				GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Vegetatio	n		38.2924	39°	38.292439°
пеш				-121.6307	81 °	-121.630781°
DWR ID DWR_RD0999_02_f _ 2012_14						
Comment Code						

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Century plant on landside slope. LMA plans to remove it this season.

Photo 2 of 2: FA_2018_RD0999_233_14_20180910_00012.jpg



Looking north at century plant at landside toe.

LM Start	0.83	Rating **	М	Issue No.		19
LM End	0.83	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		38.2923	86°	38.292386 °
пеш				-121.6305	43°	-121.630543 °
DWR ID	DWR_RD0999_02_f _ 2012_19					

Comment Code

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

LNA C4t	0.83	Rating **	М	Issue No.	40 (aant)
LM Start	0.63	realing	IVI	13306 110.	19 (cont)
LM End	0.83	Issue Type +	Ma	Location *	LS

Photo 1 of 2: FA_2018_RD0999_233_19_20180910_00016.jpg



View of landside slope looking north. Fall 2017

Photo 2 of 2: FA_2018_RD0999_233_19_20180910_00017.jpg



Looking north at untrimmed and trees to be thinned at landward toe fall 2015.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M: Maintenance Deficiancy

M : Minimally Acceptable CR : Corrected Ob: Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain

** Rating

A : Not Inspected/Rated M: Maintenance Deficiancy

Ob: Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	11/02/2018 11/02/2018	Luz Dial

LM Start	0.84	Rating **	М	Issue No.	13		
LM End	0.84	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroachments			38.292352 °		38.292352 °	
iteiii				-121.6304	52°	-121.630452 °	
DWR ID	DWR_RD0	999_02_s _ 201	2_13				
Comment Code							
TR: Tree or limb							

Inspector Comment



Looking northwest at tree limb on landside slope.

	LM Start	0.85	Rating **	A/W	Issue No.	22		
	LM End	0.85	Issue Type +	Ma	Location *	LS		
	Category	Earthen L	GPS Latitude/Longitude					
					Start		End	
	Item	Encroachments			38.29229	90°	38.292290	0
					-121.63016	67°	-121.630167	0
	DWR ID	DWR_RD0	999_02_f _ 201	7_22				
	Comment Code							

PR: Prunings

Inspector Comment

LMA plans to clear prunings.

NIA	D١	notos
INO	-	เบเบธ

	LM Start	0.87	Rating **	A/W	Issue No.		23		
	LM End	0.87	Issue Type +	Ma	Location *	WS			
	Category	Earthen L	GPS La	atitud	e/Longitude				
	Category		Start		End				
	Item	Encroachi	Encroachments			38.292211°		0	
			-121.629950 °		-121.629950	0			
	DWR ID	DWR_RD0	999_02_f _ 201	7_23					
	Comment Code								
	PR : Prunings								
	Inspector Comment								

No Photos

* Location LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

CR : Crown

LMA plans to clear prunings.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	11/02/2018 11/02/2018	Luz Dial

LM Start	0.93	Rating **	A/W	Issue No.		2			
LM End	1.03	Issue Type +	Ма	Location *		LS			
Category	Earthen Levee			GPS Latitude/Longitude					
Category			Start		End				
Item	Animal Co	ontrol		38.2918	23°	38.291250°			
пеш			-121.628973 °		-121.627285 °				
DWR ID DWR_RD0999_02_s _ 2012_2									
		Comn	nent Cod	de					
A1 : Extern	minate rod	ents and back	fill and o	compact or	grou	it burrows.			
		Inspecto	or Comm	nent					
LMA backf	illed holes	and has an a	ctive bai	ting progra	m.				

LM Start	0.93	Rating **	A/W	Issue No.	2 (cont)
LM End	1.03	Issue Type +	Ma	Location *	LS



View of backfilled rodent holes. Fall 2018

Photo 2 of 2: FA_2018_RD0999_233_2_20180910_00001.jpg



Looking at several rodent holes on landside slope.

LM Start	0.96	Rating **	С	Issue No.		39		
LM End	1.01	Issue Type +	Ma	Location *	LS			
Catagony	Earthen Levee			GPS Latitude/Longitude				
Category			Start		End			
Item	Trim / Thi	n Trees		38.291603°		38.291292°		
item				-121.628485 °		-121.627577°		
DWR ID	ID DWR_RD0999_02_f _ 2014_39							
		Comn	nent Cod	de				
T1 : Trim t	rees to at l	east five feet	above g	round level.				
		Inspecto	or Comm	nent				
LMA trimmed trees along landside toe.								

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	11/02/2018 11/02/2018	Luz Dial

LM Start	1.04	Rating **	С	Issue No.		20	
LM End	1.53	Issue Type +	Ma	Location *	CR		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Crown Surface / Depressions / Rutting			38.2912	06°	38.290915 °	
item				-121.6270	30°	-121.618227°	
DWR ID	DWR_RD0	999_02_f _ 201	2_20				
		Comn	nent Coc	le			
C2 : Repai	ir depressi	ons or ruts in	the crow	n or slope.			
Inspector Comment							
LMA repaired crown surface and added gravel.							

No Photos

LM Start	1.15	Rating **	С	Issue No.	40		
LM End	1.15	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Category				Start		End	
Item	Trim / Thin Trees			38.291069°		38.291069°	
пеш				-121.6251	38°	-121.625138°	
DWR ID	DWR_RD0999_02_f _ 2014_40					·	
Comment Code							

No Photos

T1: Trim trees to at least five feet above ground level.

Inspector Comment

	LM Start	1.93	Rating **	М	Issue No.		16		
	LM End	1.93	Issue Type +	Ма	Location *		WS		
	Category	Earthen Levee			GPS Latitude/Longitude				
			Start		End				
	Item	Vegetation			38.2887	13°	38.288713	0	
	item		-121.6116	20°	-121.611620	0			
	DWR ID	DWR_RD0	DWR_RD0999_02_s _ 2012_16						
	Comment Code								
	V4: Elderberries are blocking visibility and flood fight capability.								

No Photos

Inspector Comment

* Location LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	11/02/2018 11/02/2018	Luz Dial

LM Start	1.97	Rating **	A/W	Issue No.		33			
LM End	1.97	Issue Type +	Ма	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Animal Co	ontrol		38.2887	'12 °	38.288712°			
пеш				-121.6109	20°	-121.610920°			
DWR ID	DWR ID DWR_RD0999_02_s _ 2017_33								
		Comn	nent Cod	de					
A1 : Exterr	ninate rod	ents and back	fill and o	compact or	grou	t burrows.			
		Inspecto	or Comm	nent					
No visible	No visible holes or activity.								

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

		D-4: **		Issue No.			
LM Start	0.01	Rating **	М	issue ivo.		16	
LM End	0.01	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Encroachi	ments		38.2866	78°	38.286678 °	
пеш				-121.6059	71 °	-121.605971 °	
DWR ID DWR_RD0999_03_f _ 2017_16							
		Comn	nent Cod	de			
TR : Tree	or limb						
		Inspecto	or Comm	nent			

Photo 1 of 1: FA_2018_RD0999_234_16_20180910_00013.jpg

View of waterside slope looking east.

LM Start	0.04	Rating **	М	Issue No.		32	
LM End	0.04	Issue Type +	Ma	Location *		WS	
Category	evee	GPS Latitude/Longitude					
Calegory	Category					End	
Item	Encroach	ments		38.287040°		38.287040°	
item				-121.6056	67°	-121.605667°	
DWR ID DWR_RD0999_03_f _ 2017_32							
Comment Code							

PR : Prunings

Inspector Comment

Large pruning pile on waterside slope.

Photo 1 of 1 : FA_2018_RD0999_234_32_20180910_00026.jpg



View of waterside slope looking east.

LM Start	0.06	Rating **	М	Issue No.		17
LM End	0.06	Issue Type +	Ma	Location *	WS	
Category	Cotagoni Earthen Levee			GPS La	titud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		38.28729	90°	38.287290
пеш				-121.60547	72 °	-121.605472
DWR ID	DWR_RD0	999_03_s _ 201	7_17			

Comment Code

 $\ensuremath{\mathsf{V2}}$: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Century plants on waterward slope.



Looking east at century plants on waterward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

LM Start	0.09	Rating **	М	Issue No.		23	
LIVI Start	0.09		IVI				
LM End	0.09	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Odlogory				Start		End	
Item	Encroach	ments		38.2875	95°	38.287595°	
item				-121.6052	75°	-121.605275°	
DWR ID DWR_RD0999_03_s _ 2017_23							
		Comn	nent Cod	de			
PR : Pruni	ngs						
Inspector Comment							
Large pruning piles on waterward slope.							
·							



Looking east large pruning piles on waterward slope.

LM Start	0.24	Rating **	U	Issue No.		5		
LM End	0.65	Issue Type +	Ma	Location *		WS		
Category				GPS Latitude/Longitude				
Calegory	Category					End		
Item		CE Erosion S	Survey,	38.2896	34°	38.295505°		
пеш	DRAFT			-121.6043	43 °	-121.605648°		
DWR ID DWR_RD0999_03_f _ 2018_5								
Comment Code								

Inspector Comment

2017 Site ID: STR 24.7 R

Status: Critical

2017 Field Notes: Locals have placed rock in worst sections. Fresh erosion at toe. New tall vertical sections observed.

Site History: 1997 - Intermittent over-steepened sections. Large riparian vegetation along the length of the entire reach. Attempts to repair with rock on bank have failed. 1999 - New rock repair at the downstream end. 2002 - Some minor spot repairs. 2009 - Minimal new erosion. 2010 - Appears that fresh rock placed on downstream portion of site. Toe scour and overhanging trees with some overturned. 2012 -Minor new erosion at the toe. 2013 - Site upgraded to CRITICAL Severe slumping into levee at downstream end of site. Fresh erosion into bank toe. 2015 - New slumping, tall vertical sections. 2016 -Upper slumped section continues to worsen. 2017 DWR Inspector: Erosion not easily visible from levee crown or slope

Photo 1 of 1: FA_2018_RD0999_234_5_20181119_00004.jpg



USACE 2013 Photo #1

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

LM Start	0.38	Rating **	С	Issue No.	33		
LM End	0.38	Issue Type +	Ма	Location *	LS		
Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
ltom	Slope Sta	bility		38.29164	o°	38.291640°	
пеш	Item ' ,				9°	-121.604799°	
DWR ID DWR_RD0999_03_f _ 2017_33							
Comment Code							

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

No damage evident during this inspection.

Issue No. Rating ** С 0.62 37 LM Start 0.67 Issue Type + Ма Location * CR LM End Earthen Levee GPS Latitude/Longitude Category Start End Crown Surface / Depressions / 38.295021° 38.295839° Item Rutting -121.605925 ° -121.605826° DWR_RD0999_03_s _ 2018_37 DWR ID Comment Code

C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.

Inspector Comment

Rating ** Issue No. LM Start 0.66 U 8 Location * 0.66 Issue Type + Ma LS LM End GPS Latitude/Longitude Earthen Levee Category Start End Vegetation 38.295618° 38.295618° Item -121.605923° -121.605923° DWR ID DWR_RD0999_03_s _ 2012_8 Comment Code

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

Dense veg on landward slope.

No Photos

No Photos

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

LM Start	0.93	Rating **	С	Issue No.		43		
LM End	0.95	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS L	atitud	e/Longitude		
Calegory				Start		End		
Item	Trim / Thi	n Trees		38.2991	30°	38.299362	0	
пеш				-121.603768°		-121.603462	0	
DWR ID	DWR_RD0	999_03_f _ 201	4_43					
		Comn	nent Coc	de				
T1: Trim t	rees to at l	east five feet	above g	round level				
		Inspecto	or Comm	nent				

No Photos

LM Start	0.97	Rating **	М	Issue No.		6	
LM End	1.10	Issue Type +	Ma	Location *	WS		
Category			GPS Latitude/Longitude				
Calegory				Start		End	
Item		2017 USACE Erosion Survey,		38.2994	02°	38.300542°	
item	DRAFT			-121.6030	56°	-121.601118°	
DWR ID DWR_RD0999_03_f _ 2018_6							
	Comment Code						

Inspector Comment

2017 Site ID: STR 25.2 R

Status: Eroding

2017 Field Notes: Minor new erosion at toe.

Site History: 2008 - Over steepened levee section. 2009 - Significant new erosion. 2010 - Minor new erosion. 2018 DWR Inspector: Erosion and visible from levee slope.

not visible from levee slope.

Photo 1 of 1 : FA_2018_RD0999_234_6_20181119_00005.jpg



USACE 2013 Photo #1

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

LM Start	1.43	Rating **	М	Issue No.		18	
LM End	1.58	Issue Type +	Ма	Location *	WS		
Category Supplemental			GPS Latitude/Longitude				
Category	эгу		Start		End		
Item		ACE Erosion S	Survey,	38.30522	29°	38.306667 °	
пеш	DRAFT			-121.59993	33°	-121.598266 °	
DWR ID	DWR_RD0999_03_f _ 2018_18						
	Comment Code						

Inspector Comment

2017 Site ID: STR 25.7 R

Status: Eroding

2017 Field Notes: Large erosion scarp near downstream end.

Site History: 2011 - Toe scour along length of site and erosion pockets. 2012 - Site extended slighty upstream due to new erosion pocket.

2013 - Tall vertical sections at upstream end of site.



USACE 2013 Photo #1

LM Start	1.50	Rating **	С	Issue No.	11		
LM End	1.50	Issue Type +	Ma	Location *	LS		
Category Earthen Levee		GPS Latitude/Longitude					
Calegory	category		Start		End		
Item	Trim / Thi	n Trees		38.3060	62 °	38.306062°	
item				-121.5994	95 °	-121.599495°	
DWR ID	DWR_RD0	999_03_s _ 201	2_11			·	
	Commont Codo						

Comment Code T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

LM Start	1.53	Rating **	С	Issue No.		12
LM End	1.53	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		38.3063	32°	38.306332°
пеш				-121.5991	09°	-121.599109°
DWR ID	DWR_RD0	999_03_s _ 201	2_12			
		C		ام		

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

* Location

CR : Crown

LS : Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

LM Start	1.57	Rating **	С	Issue No.		13			
LM End	1.59	Issue Type +	Ма	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Trim / Thi	n Trees		38.3067	62°	38.306948°			
пеш				-121.5985	41 °	-121.598320°			
DWR ID	DWR ID DWR_RD0999_03_s _ 2012_13								
		Comn	nent Coc	de					
T3 : Trim a flood fight.		es to allow vis	sibility of	the ground	and	I room to			
		Inspecto	or Comm	nent					

No Photos

Rating ** С Issue No. LM Start 1.61 25 Issue Type + Location * WS 1.61 Ма LM End Earthen Levee GPS Latitude/Longitude Category Start End Encroachments 38.307295° 38.307295° Item -121.598202° -121.598202 DWR ID DWR_RD0999_03_s _ 2017_25 Comment Code PR: Prunings Inspector Comment

No Photos

LM Start	1.66	Rating **	С	Issue No.		19	
LM End	1.66	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory	egory			Start		End	
Item	Trim / Thi	n Trees		38.3078	83°	38.307883	0
пеш				-121.5984	07°	-121.598407	0
DWR ID	DWR_RD0	999_03_s _ 201	8_19				
		Comn	nent Cod	de			

No Photos

Page 6 of 13

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

LM Start	1.67	Rating **	С	Issue No.		20	
LM End	1.72	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.3080	87°	38.308733 °	
пеш				-121.5985	65 °	-121.599021 °	
DWR ID	DWR ID DWR_RD0999_03_s _ 2018_20						
		Comn	nent Coc	de			
T2 : Thin to	rees to allo	w visibility of	the grou	nd and roo	m to	flood fight.	
		Inspecto	or Comm	nent			

No Photos

Rating ** С Issue No. LM Start 1.68 14 Location * LS 1.68 Issue Type + Ма LM End Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 38.308129° 38.308129° Item -121.598610° -121.598610 ° DWR ID DWR_RD0999_03_s _ 2012_14 **Comment Code**

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

LM Start	1.83	Rating **	С	Issue No.		24	
LM End	1.92	Issue Type +	Ма	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Category			Start		End		
Item	Trim / Thi	n Trees		38.310291 °		38.311168°	
пеш				-121.5991	10°	-121.598006°	
DWR ID	DWR_RD0	999_03_s _ 201	8_24			·	
	Comment Code						

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

* Location

N/A: Not Applicable

LS: Land Side WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

LM Start	1.93	Rating **	М	Issue No.		45
LM End	1.97	Issue Type +	Ма	Location *		WS
Category	Suppleme	ental		GPS L	atitud	e/Longitude
Category			Start		End	
Item		ACE Erosion S	Survey,	38.311013°		38.311342°
пеш	DRAFT			-121.597751 °		-121.596976 °
DWR ID	DWR_RD0	999_03_f _ 201	8_45			
		Comn	nent Cod	de		
		Inspecto	or Comm	nent		
2017 Site	_	6.1 R				

Status: Eroding

2017 Field Notes: No observed change.

Site History: 2015 - Tall vertical sections into the levee slope and erosion along the toe. 2016 - New tree pop-out observed.

LM Start	2.32	Rating **	С	Issue No.	34		
LM End	2.34	Issue Type +	Ма	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Category			Start		End		
Item	Trim / Thi	n Trees		38.31504	6°	38.315329°	
пеш				-121.59267	8°	-121.592564°	
DWR ID	DWR_RD0	999_03_f _ 201	7_34				
	Comment Code						

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

No Photos

LM Start	2.78	Rating **	С	Issue No.	28		
LM End	2.94	Issue Type +	Ма	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Trim / Thi	n Trees		38.3212	44 °	38.323362 °)
itein				-121.5909	69°	-121.590208 °	>
DWR ID	DWR_RD0	999_03_s _ 201	2_28				
	Comment Code						

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

* Location LS : Land Side N/A : Not Applicable WS: Water Side

CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

LM Start	2.97	Rating **	A/W	Issue No.		29
LM End	3.23	Issue Type +	Ma	Location *	WS	
Category			GPS Latitude/Longitude			
Calegory				Start		End
Item		2017 USACE Erosion Survey,			19°	38.325592°
пеш	DRAFT			-121.5896	45 °	-121.585925 °
DWR ID	DWR_RD0	999_03_f _ 201	8_29			
		Comn	nent Cod	de		

Inspector Comment

2017 Site ID: STR 27.3 R

Status: Eroding

2017 Field Notes: site extended downstream, section of lower bank has slumped off. fresh toe erosion. pipe encroachment. fresh tree popout Site History: 2011 - Multiple erosion pockets. Some likely from tree popouts. 2013 - Tall vertical sections. 2015 - New tree pop-out and significant new erosion. 2016 - New erosion at toe. 2018 DWR Inspector: Erosion not visible from levee slope.



USACE 2013 Photo #1

LM Start	3.02	Rating **	С	Issue No.		31	
LM End	3.08	Issue Type +	Ma	Location *		LS	
Category	Earthen L	then Levee			GPS Latitude/Longitude		
Calegory			Start		End		
Item	Trim / Thi	n Trees		38.3238	32°	38.324031 °	
пеш				-121.5887	36°	-121.587763°	
DWR ID	DWR_RD0	999_03_s _ 201	2_31				
		_					

Comment Code

T3: Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

CR : Crown

N : Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence En: Enforcement

A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

LM Start	3.09	Rating **	М	Issue No.		9
LM End	3.12	Issue Type +	Ma Location *			WS
Category	Supplemental			GPS Latitude/Longitude		
Calegory			Start		End	
Item	2017 Stor	m Damage		38.3239	86°	38.324275 °
пеш				-121.5874	03 °	-121.586967°
DWR ID	DWR_RD0	999_03_f _ 201	7_9			·

Inspector Comment

Comment Code

Levee Evaluation Comments

Description:The damage consists of erosion of the lower waterside levee slope and bank approximately 147 feet in length along the west (right) bank of Sutter Slough. See attached pages for photos. Site location T06N R03E Section 36 and 25.

Site ID No:355

Site Designation:LMA-182 Repair Type: Erosion

Rating:Area of Concern Field Date:7/27/2017

Notes: Fall 2018 DWR Inspector: Observed erosion into the bank and fallen tree. End LM not given on report.

 LM Start
 3.09
 Rating **
 M
 Issue No.
 9 (cont)

 LM End
 3.12
 Issue Type +
 Ma
 Location *
 WS

Photo 1 of 5 : FA_2018_RD0999_234_9_20181116_00044.jpg

View of some erosion on slope. Fall 2018

Photo 2 of 5: FA_2018_RD0999_234_9_20181116_00045.jpg



View of fallen tree at water's edge. Fall 2018

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

LM Start	3.09	Rating **	М	Issue No.		9 (cont)		
LM End	3.12	Issue Type +	Ма	Location *		WS		
Supplemental			GPS Latitude/Longitude					
Category	Category			Start		End		
Item	2017 Storm Damage			38.323986°		38.324275 °		
пеш	em			-121.58740	3°	-121.586967 °		
DWR ID DWR_RD0999_03_f _ 2017_9								
	Comment Code							

Inspector Comment

Levee Evaluation Comments

Description:The damage consists of erosion of the lower waterside levee slope and bank approximately 147 feet in length along the west (right) bank of Sutter Slough. See attached pages for photos. Site location T06N R03E Section 36 and 25.

Site ID No:355

Site Designation:LMA-182 Repair Type: Erosion

Rating:Area of Concern Field Date:7/27/2017

Notes: Fall 2018 DWR Inspector: Observed erosion into the bank and fallen tree. End LM not given on report.

LM Start	3.09	Rating **	М	Issue No.	9 (cont)
LM End	3.12	Issue Type +	Ма	Location *	WS





** Rating

LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating

A: Acceptable
M: Minimally Acceptable
U: Unacceptable
A/W: Acceptable but Monitor & Maintain

** Rating

A: Acceptable
C: Corrected
C: Corrected
A/W: Acceptable but Monitor & Maintain

En: Enforce

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

LM Start	3.09	Rating **	М	Issue No.		9 (cont)		
LM End	3.12	Issue Type +	Ма	Location *		WS		
Supplemental			GPS Latitude/Longitude					
Category	Category			Start		End		
Item	2017 Storm Damage			38.323986°		38.324275 °		
пеш	em			-121.58740	3°	-121.586967 °		
DWR ID DWR_RD0999_03_f _ 2017_9								
	Comment Code							

Inspector Comment

Levee Evaluation Comments

Description: The damage consists of erosion of the lower waterside levee slope and bank approximately 147 feet in length along the west (right) bank of Sutter Slough. See attached pages for photos. Site location T06N R03E Section 36 and 25.

Site ID No:355

Site Designation:LMA-182 Repair Type: Erosion Rating: Area of Concern Field Date:7/27/2017

Notes: Fall 2018 DWR Inspector: Observed erosion into the bank and fallen tree. End LM not given on report.



LM Start	3.18	Rating **	A/W	Issue No.	15		
LM End	3.21	Issue Type +	Ма	Location *		WS	
Category Supplemental			GPS Latitude/Longitude				
			Start		End		
Item	2017 Stor	m Damage		38.325053°		38.325489°	
item			-121.5863	47 °	-121.586100 °		
DWR ID DWR_RD0999_03_f _ 2017_15							
Comment Code							

Inspector Comment

Levee Evaluation Comments

Description: The damage consists of erosion of the lower waterside levee slope and bank approximately 172 feet in length along the west (right) bank of Sutter Slough. See attached pages for photos. Site location T06N R04E Section 3 and 4.

Site ID No:356

Site Designation:LMA-183 Repair Type: Erosion Rating: Area of Concern Field Date:7/27/2017

Notes: 2018 DWR Inspector: Erosion not visible from levee slope.



LS: Land Side N/A: Not Applicable WS: Water Side

Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type A/W : Acceptable but Monitor & Maintain

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	11/14/2018 11/14/2018	Luz Dial

LM Start	3.18	Rating **	A/W	Issue No. 15 (d		15 (cont)
LM End	3.21	Issue Type +	Ма	Location *		WS
Catagony	Category Supplemental			GPS La	titud	le/Longitude
Calegory				Start		End
Item	2017 Storm Damage			38.325053 °		38.325489
пеш			-121.5863	47°	-121.586100	
DWR ID	VR ID DWR_RD0999_03_f _ 2017_15					
Comment Code						

Inspector Comment

Levee Evaluation Comments

Description:The damage consists of erosion of the lower waterside levee slope and bank approximately 172 feet in length along the west (right) bank of Sutter Slough. See attached pages for photos. Site location T06N R04E Section 3 and 4.

Site ID No:356

Site Designation:LMA-183 Repair Type: Erosion Rating:Area of Concern

Field Date:7/27/2017

Notes: 2018 DWR Inspector: Erosion not visible from levee slope.

LM Start	3.18	Rating **	A/W	Issue No.	15 (cont)
LM End	3.21	Issue Type +	Ma	Location *	WS



Photo 3 of 3: LEVAL_FA_2018_356_2499.jpg



A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	0.00	Rating **	A/W	Issue No.		54	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Category				Start		End	
Item	DWR UCIP LMA Responsibility			38.4140	22 °	38.414022 °	
пеш				-121.52298	36°	-121.522986 °	
DWR ID	22788						

Inspector Comment

Comment Code

FS_ID:15708 DS_ID:22788 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

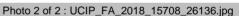
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)
FIELD_STRUCT_DESC: [Elk Slough Inlet Structure] 60-inch by 60-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in a 6-foot by 8-foot concrete vault on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966,

(HLM 0.00)]. FS Date: 7/12/2013

LM Start	0.00	Rating **	A/W	Issue No.	54 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Slide gate in concrete vault on WS shoulder.





Toe of LS at approximate location of outlet/inlet.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	0.02	Rating **	U	Issue No.	29			
LM End	0.28	Issue Type +	Ма	Location *	WS			
Category				GPS Latitude/Longitude				
Calegory	Category					End		
Item		2017 USACE Erosion Survey,			87°	38.417692 °		
пеш	DRAFT			-121.5228	71 °	-121.525083 °		
DWR ID	DWR ID DWR_RD0999_04_f _ 2018_29							
Comment Code								

Inspector Comment

2017 Site ID: SAC 41.9 R

Status: Critical

2017 Field Notes: Fresh erosion on entire bank. Upgraded to critical. Site History: 1997 - Structural problem rather than erosional, failed cobble at downstream end. 2005 - New brush boxes at waterline for several hundred feet downstream, No toe or bank protection present. 2006 - Some minor new erosion. Brush boxes not working well; most of the brush has floated out. 2007 - Brush boxes have recently been repaired. 2016 - Minor new slumping. 2018 DWR Inspector: Fallen tree on water's edge. Erosion not visible from slope.



USACE 2013 Photo #1

LM Start	0.03	Rating **	С	Issue No.		45	
LM End	0.03	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category	Category					End	
Item	Encroachments			38.4143	35°	38.414335 °	
пеш				-121.5233	48 °	-121.523348°	
DWR ID DWR_RD0999_04_s _ 2017_45							
Comment Code							

TR: Tree or limb

Inspector Comment

Large fallen tree on landside slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	0.04 Rating ** U			Issue No.		53
LM End	0.06	Issue Type +	Ma	Location *		WS
Category Earthen Levee				GPS La	atitud	e/Longitude
Category				Start		End
Item	Vegetatio	n		38.4145	33°	38.414750°
item	em				94°	-121.523543°
DWR ID DWR_RD0999_04_f _ 2017_53						
Comment Code						

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Dense vegetation on waterside slope.



Looking southeast at the waterside slope.

LM Start	0.10	Rating **	A/W	Issue No.		42
LM End	0.29	Issue Type +	Ma	Location *		WS
Category				GPS La	atitud	e/Longitude
Calegory	legory					End
Item	2017 Stor	m Damage		38.4153	19°	38.417744°
пеш			-121.5237	17°	-121.525344°	
DWR ID DWR_RD0999_04_f _ 2017_42						
Comment Code						

Inspector Comment

Levee Evaluation Comments

Description: The damage consists of erosion of the lower and mid waterside levee slope approximately 997 feet in length along the west (right) bank of the Sacramento River. See attached pages for photos. Site location T06N R04E Section 3 and 4.

Site ID No:357

Site Designation:LMA-184

Repair Type: Erosion

Rating:Serious

Field Date:7/27/2017

Notes: on bank slope, big trees with exposed tree roots

observed 2018 DWR Inspector: Fallen tree on water's edge.

Erosion not visible from slope.

Photo 1 of 4: FA_2018_RD0999_235_42_20181116_00082.jpg



View of fallen tree. Fall 2018

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	0.10	Rating **	Issue No.		42 (cont)	
LM End	0.29	Issue Type +	Ma	Location *	cation * WS	
Category				GPS La	atitud	e/Longitude
Calegory		Start		End		
Item	2017 Stor	m Damage		38.4153	19°	38.417744°
item				-121.5237	17°	-121.525344°
DWR ID DWR_RD0999_04_f _ 2017_42						
Comment Code						

Inspector Comment

Levee Evaluation Comments

Description:The damage consists of erosion of the lower and mid waterside levee slope approximately 997 feet in length along the west (right) bank of the Sacramento River. See attached pages for photos. Site location T06N R04E Section 3 and 4.

Site ID No:357

Site Designation:LMA-184

Repair Type: Erosion

Rating:Serious

Field Date:7/27/2017

Notes: on bank slope, big trees with exposed tree roots

observed 2018 DWR Inspector: Fallen tree on water's edge.

Erosion not visible from slope.

LM Start	0.10	Rating **	A/W	Issue No.	42 (cont)
LM End	0.29	Issue Type +	Ма	Location *	WS



Photo 3 of 4: LEVAL_FA_2018_357_2465.jpg



Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	0.10	Rating **	A/W	Issue No.		42 (cont)
LM End	0.29	Issue Type +	Ма	Location *		WS
Supplemental				GPS La	atitud	le/Longitude
Calegory	gory					End
Item	2017 Stor	m Damage		38.4153	19°	38.417744°
пеш				-121.5237	17°	-121.525344°
DWR ID	DWR ID DWR_RD0999_04_f _ 2017_42					
Comment Code						

Inspector Comment

Levee Evaluation Comments

Description:The damage consists of erosion of the lower and mid waterside levee slope approximately 997 feet in length along the west (right) bank of the Sacramento River. See attached pages for photos. Site location T06N R04E Section 3 and 4.

Site ID No:357

Site Designation:LMA-184

Repair Type: Erosion

Rating:Serious

Field Date:7/27/2017

Notes: on bank slope, big trees with exposed tree roots

observed 2018 DWR Inspector: Fallen tree on water's edge.

Erosion not visible from slope.



LM Start	0.11	Rating **	A/W	Issue No.		15
LM End	0.21	Issue Type +	Ma	Location *		WS
Category Earthen Levee				GPS La	atitud	e/Longitude
				Start		End
Item	Erosion /	Bank Caving		38.4154	25°	38.416733 °
iteiii				-121.5239	20°	-121.524705 °
DWR ID	DWR_RD0	999_04_s _ 201	7_15			

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Waterside erosion 2ft vertical cut was not visible during this inspection. Fallen trees have root ball intact.

Photo 1 of 2 : FA_2018_RD0999_235_15_20180910_00010.jpg	Photo 1 of 2 : FA	2018 RD0999	235 15	20180910	00010.jpg
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Looking downstream at 2ft plus vertical erosion on waterward slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	0.11	Rating **	A/W	Issue No.		15 (cont)		
LM End	0.21	Issue Type +	Ма	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start	Start End			
Item	Erosion / Bank Caving			38.41542	25 °	38.416733 °		
пеш				-121.52392	20°	-121.524705 °		
DWR ID	DWR_RD0999_04_s _ 2017_15							
		C		l_				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Waterside erosion 2ft vertical cut was not visible during this inspection. Fallen trees have root ball intact.

Photo 2 of 2: FA_2018_RD0999_235_15_20180910_00011.jpg



Looking upstream at 2ft plus vertical erosion on waterward slope.

LM Start	0.20	Rating **	М	Issue No.		24	
LM End	0.24	Issue Type +	Ма	Location *		WS	
Category	evee	GPS Latitude/Longitude					
Calegory				Start End			
Trim / Thin Trees				38.4166	53°	38.417070°	
item				-121.5246	56°	-121.525006 °	
DWR ID	DWR_RD0	999_04_s _ 201	2_24				

Comment Code

T3: Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

LM Start	0.55	Rating **	С	Issue No.		44	
LM End	0.59	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Trim / Thin Trees			38.4211	08°	38.421513	0	
Item				-121.5278	05 °	-121.528102	0
DWR ID	DWR_RD0999_04_f _ 2016_44						
Comment Code							

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

* Location

LS: Land Side N/A: Not Applicable

WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	0.60	Rating **	М	Issue No.		19	
LM End	0.63	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS La	atitud	e/Longitude		
Category				Start End			
Trim / Thin Trees			38.4216	47°	38.421997°		
пеш				-121.528235 °		-121.528470 °	
DWR ID	DWR_RD0	999_04_s _ 201	2_19				
		Comn	nent Cod	de			
T1 : Trim t	rees to at	least five feet	above g	round level.			
		Inspecto	or Comm	nent			

No Photos

LM Start	0.65	Rating **	М	Issue No.	35				
LM End	0.65	Issue Type +	Ma	Location *	LS				
Category Earthen Levee				GPS Latitude/Longitude					
Calegory				Start	Start End				
Item	Trim / Thin Trees			38.4223	37°	38.422337°			
пеш				-121.5286	90°	-121.528690°			
DWR ID	DWR_RD0999_04_s _ 2018_35								
	Comment Code								

No Photos

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

LM Start	0.75	Rating **	С	Issue No.		17	
LM End	0.75	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory			Start		End		
Item	Trim / Thi	n Trees		38.4235	60°	38.423560	0
item				-121.5296	53°	-121.529653	0
DWR ID	R ID DWR_RD0999_04_f _ 2017_17						
Comment Code							
T5 : Tree s	stumps.						

Inspector Comment

No Photos

* Location

LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	0.79	Rating **	С	Issue No.		33		
LM End	0.79	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS La	atitud	e/Longitude		
Category				Start End				
Itom	Encroachments Item			38.4240	68°	38.424068°		
пеш				-121.530017 ° -121.530				
DWR ID	DWR_RD0999_04_s _ 2018_33							
		Comn	nent Cod	de				
TR : Tree	or limb							
		Inspecto	or Comm	nent				
Remove fa	allen tree o	n landside slo	pe.					

No Photos

Issue No. Rating ** С 0.82 LM Start 14 0.82 Issue Type + Ма Location * LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 38.424432° 38.424432° Item -121.530265 ° -121.530265° DWR_RD0999_04_s _ 2012_14 DWR ID Comment Code T5: Tree stumps. Inspector Comment

No Photos

LM Start	0.84	Rating **	С	Issue No.		9	
LM End	0.84	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS L	atitud	le/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.4247	'22 °	38.424722	o
			-121.5304	70°	-121.530470	o	
DWR ID	DWR_RD0	999_04_s _ 201	2_9				
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
Inspector Comment							

No Photos

* Location

LS: Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	0.85	Rating **	С	Issue No.		50		
LM End	0.85	Issue Type +	Ма	Location *	LS			
Category Earthen Levee			GPS Latitude/Longitude					
Calegory			Start		End			
Item	Vegetation			38.42480	5 °	38.424805 °		
пеш				-121.53054	1°	-121.530541 °		
DWR ID	DWR_RD0	999_04_f _ 201	7_50					
	Comment Code							
V2 : Remo	ve the wild	/2 : Remove the wild growth other than native grasses from the levee						

slopes.

Inspector Comment

Issue No. Rating ** С 0.94 LM Start 43 0.94 Issue Type + Ма Location * WS LM End Earthen Levee GPS Latitude/Longitude Category Start End Encroachments 38.426005° 38.426005 Item -121.531382° -121.531382°

DWR_RD0999_04_f _ 2017_43 DWR ID

PR: Prunings

Inspector Comment

Comment Code

Pruning piles on waterside slope

No Photos

No Photos

LM Start	0.95	Rating **	С	S Issue No.		39	
LM End	0.95	Issue Type +	Ма	Location *		WS	
Category Earthen Levee			GPS Lat	ituc	le/Longitude		
Category				Start		End	
Item	Trim / Thi	n Trees		38.42613	9°	38.426139	٥
item				-121.53138	6°	-121.531386	٥
DWR ID	DWR_RD0	999_04_s _ 201	8_39				
		Comn	oont Coo	lo.			

Comment Code

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

* Location

LS: Land Side

WS: Water Side CR : Crown

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	1.01	Rating **	С	Issue No.	16		
LM End	1.04	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory	gory			Start		End	
Item	Vegetatio	n		38.4268	73 °	38.427295 °	
пеш				-121.5317	78 °	-121.532164°	
DWR ID	999_04_f _ 201			·			
	Comment Code						

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Blackberries blocking view of landside toe.

Photo 1 of 3: FA_2018_RD0999_235_47_20180910_00035.jpg

No Photos



Looking southeast at the waterside slope.

Rating ** Issue No. 1.10 М 47 LM Start 1.10 Issue Type + Location * WS LM End Ma Earthen Levee GPS Latitude/Longitude Category Start End Erosion / Bank Caving 38.428152° 38.428152 Item -121.532502° -121.532502 ° DWR_RD0999_04_s _ 2017_47 DWR ID Comment Code

E1 : Note and monitor erosion site.

Inspector Comment

Small erosion just above riprap on waterside toe and runoff erosion on waterside slope.

LM Start	1.10	Rating **	М	Issue No.	47 (cont)
LM End	1.10	Issue Type +	Ma	Location *	WS

Photo 2 of 3: FA_2018_RD0999_235_47_20180910_00036.jpg



Looking east at the waterside slope.

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintanance Deficiancy Ob: Design & System Obsolescence
C: Corrected Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	1.10	Rating **	М	Issue No.		47 (cont)
LM End	1.10	Issue Type +	Ма	Location *	WS	
Category Earthen Levee			GPS Latitude/Longitude			
Calegory	Category			Start		End
Item	Erosion /	Bank Caving		38.4281	52 °	38.428152 °
пеш				-121.5325	02°	-121.532502 °
DWR ID DWR_RD0999_04_s _ 2017_47						
Comment Code						

E1: Note and monitor erosion site.

Inspector Comment

Small erosion just above riprap on waterside toe and runoff erosion on waterside slope.

Photo 3 of 3 : FA_2018_RD0999_235_47_20180910_00037.jpg



Looking west at runoff erosion on waterward slope.

LM Start	1.11	Rating **	М	Issue No.		30		
LM End	1.11	Issue Type +	Ma	Location *	WS			
Category Earthen Levee			GPS Latitude/Longitude					
Calegory	Category		Start		End			
Item	Encroach	ments		38.42824	2°	38.428242	0	
пеш				-121.53258	0°	-121.532580	0	
DWR ID	DWR_RD0	999_04_f _ 201	8_30					
	Commont Codo							

Comment Co

DE: Debris

Inspector Comment

Mattress and landscaping materials dumped on slope.

No Photos

LM Start	1.15	Rating **	С	Issue No.		5			
LM End	1.15	Issue Type +	Ma	Location *		LS			
Category	Earthen Levee				GPS Latitude/Longitude				
Category				Start		End			
Item	Vegetatio	n		38.4288	23°	38.428823 °			
пеш				-121.5328	85°	-121.532885 °			
DWR ID	DWR_RD0	999_04_s _ 201	2_5		·				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Berry vines and wild roses on landside toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	1.16	Rating **	С	Issue No.		40	
LM End	1.16	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion / I	Bank Caving		38.4288	77°	38.428877°	
item				-121.5329	22 °	-121.532922°	
DWR ID	DWR_RD0	999_04_f _ 201	5_40				
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Large hole	Large hole and erosion on landside shoulder, slope, and toe.						

No Photos

LM Start	1.18	Rating **	М	Issue No.		46	
LM End	1.18	Issue Type +	Ма	Location *		WS	
Category	evee	GPS Latitude/Longitude					
Category				Start		End	
Item	Erosion /	Bank Caving		38.42920)1°	38.429201 °	
пеш				-121.5330°	12°	-121.533012°	
DWR ID	/R ID DWR_RD0999_04_s _ 2016_46						

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Erosion located just below asphalt on waterside shoulder.

LM Start	1.18	Rating **	М	Issue No.	46 (cont)
I M End	1.18	Issue Type +	Ma	Location *	WS

Photo 1 of 3: FA_2018_RD0999_235_46_20181116_00083.jpg



View of erosion on shoulder and slope. Fall 2018

Photo 2 of 3 : FA_2018_RD0999_235_46_20180910_00033.jpg



Looking east at the erosion on the waterside slope. Fall 2017

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated C: Corrected M: Minimally Acceptable U: Unacceptable AW: Acceptable but Monitor & Maintain

** Rating

A: Acceptable N: Not Inspected/Rated Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	11/14/2018 11/14/2018	Luz Dial

LM Start	1.18	Rating **	М	Issue No.		46 (cont)
LM End	1.18	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Erosion / I	Bank Caving		38.4292	01°	38.429201 °
item				-121.5330	12°	-121.533012 °
DWR ID DWR_RD0999_04_s _ 2016_46						
		Comn	nent Cod	de		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.
		Inspecto	or Comm	nent		
Erosion located just below asphalt on waterside shoulder.						



Looking west at foot erosion on waterward shoulder and slope.

LM Start	1.20	Rating **	М	Issue No.		22		
LM End	1.22	Issue Type +	Ma	Location *		LS		
Category	evee	GPS Latitude/Longitude						
Calegory				Start		End		
Item	Trim / Thi	n Trees		38.4294	67°	38.429750 °		
пеш				-121.5331	10°	-121.533188°		
DWR ID DWR_RD0999_04_f _ 2013_22								
	Comment Code							

T3: Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

LM Start	1.20	Rating **	М	Issue No.	22 (cont)
LM End	1.22	Issue Type +	Ма	Location *	LS

Photo 1 of 2: FA_2018_RD0999_235_22_20180910_00016.jpg



Looking south at dense trees on landside slope.

Photo 2 of 2: FA_2018_RD0999_235_22_20180910_00017.jpg



Looking south at dense trees on landward slope.

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating
A: Acceptable M: N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	0.00	М	Issue No.		57	
LM End	0.01	Issue Type +	Ma	Location *		WS
Category	ental	GPS La	atitud	e/Longitude		
Calegory	Category					End
Item		CE Erosion S	Survey,	38.3326	43 °	38.414157°
пеш	DRAFT			-121.5844	49°	-121.523156°
DWR ID DWR_RD0999_05_f _ 2018_57						,
		Comn	nent Coo	de		

Inspector Comment

2017 Site ID: ELK 0.2 R Status: Eroding

2017 Field Notes: Fresh erosion; site continues to worsen.

Site History: 1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still oversteepened with erosion continuing. 2012 - New cracks and animal holes observed. 2013 - Fresh erosion around pump structure.

LM Start	0.00	Rating **	М	Issue No.	57 (cont)
LM End	0.01	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA_2018_RD0999_236_57_20181116_00192.jpg



View of erosion on levee slope. Fall 2018

Photo 2 of 2: FA_2018_RD0999_236_57_20181116_00193.jpg



View of erosion on levee slope. Fall 2018

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	0.11	Rating **	М	Issue No.	Issue No. 165		
LM End	0.12	Issue Type +	Ма	Location *	WS		
Category	evee	GPS La	atitud	e/Longitude			
Calegory			Start		End		
Item	Slope Sta	bility		38.3341	98 °	38.334327°	
item				-121.5843	08°	-121.584275°	
DWR ID	DWR ID DWR_RD0999_05_s _ 2017_165						
Comment Code							

S1: Repair slope instability.

Inspector Comment

Crack greater than two inches along top half of waterward slope. Three dead trees along slope damage section. Trees should be removed.

LM Start	0.11	Rating **	М	Issue No.	165 (cont)
LM End	0.12	Issue Type +	Ma	Location *	WS

Photo 1 of 3: FA_2018_RD0999_236_165_20180910_00077.jpg



Looking at two inch plus crack on wateward shoulder.

Photo 2 of 3: FA_2018_RD0999_236_165_20180910_00078.jpg



Looking upstream at cracking along waterward shoulder.

LM Start	0.11	Rating **	М	Issue No.	165 (cont)
LM End	0.12	Issue Type +	Ma	Location *	WS





Looking downstream at crack along waterward shoulder.

* Location + Issue Type Ma : Maintenance Deficiancy N/A: Not Applicable LS: Land Side : Acceptable : Minimally Acceptable N : Not Inspected/Rated WS: Water Side C : Corrected Ob : Design & System Obsolescence U : Unacceptable A/W : Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	0.16	Rating **	С	Issue No.		59		
LM End	0.16	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory	Category			Start		End		
Item	Vegetatio	n		38.334924 °		38.334924	0	
пеш				-121.5840	77 °	-121.584077	0	
DWR ID	DWR ID DWR_RD0999_05_s _ 2018_59							
	Comment Code							

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

No Photos

No Photos

LM Start	0.35	Rating **	С	Issue No.		61
LM End	0.35	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		38.3374	42°	38.337442 °
пеш				-121.5825	22 °	-121.582522°
DWR ID	DWR_RD0	999_05_s _ 201	8_61			·

Comment Code

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

LM Start	0.37	Rating **	С	Issue No.		8
LM End	0.42	Issue Type +	Ma	Location *	LS	
Category	Earthen L	evee		GPS La	titud	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		38.3376	54°	38.338412°
пеш				-121.5824	27°	-121.582267°
DWR ID	DWR RD0	999 05 s 201	2 8			

Comment Code

T3: Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

* Location

N/A: Not Applicable

LS : Land Side WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	0.37	Rating **	С	Issue No.	3	
LM End	0.39	Issue Type +	Ma	Location *	WS	
Category Earthen Levee				GPS Latitude/Longitude		
Category			Start		End	
Item	Trim / Thin Trees			38.33769	97°	38.337963 °
item				-121.58242	20°	-121.582352 °
DWR ID	DWR_RD0	999_05_f _ 201	8_3			
Comment Code						
T1 : Trim trees to at least five feet above ground level.						

Inspector Comment

No Photos

Issue No. Rating ** 0.56 М LM Start 0.56 Issue Type + Ма Location * LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 38.340475° 38.340475° Item -121.581942° -121.581942° DWR_RD0999_05_s _ 2012_7 DWR ID Comment Code

No Photos

T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

LM Start	0.68	Rating **	С	Issue No.		189	
LM End	0.68	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetatio	n		38.3420	32°	38.342032	0
item				-121.5813	72°	-121.581372	0
DWR ID	DWR_RD0	999_05_f _ 201	4_189				
		Comn	ant Coc	10			

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Dense wild grapevines on landside slope.

No Photos

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

U : Unacceptable AW : Acceptable but Monitor & Maintain En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	0.71	Rating **	С	Issue No.	166		
LM End	0.71	Issue Type +	Ма	Location *	WS		
Catagony	Earthen L	arthen Levee G				le/Longitude	
Category				Start		End	
Item	Encroach	ments		38.34248	3°	38.342483 °	
пеш			-121.58123	5°	-121.581235 °		
DWR ID DWR_RD0999_05_s _ 2017_166							
	Comment Code						

TR: Tree or limb

Inspector Comment

Dead tree fallen on waterward slope. Root ball Left hole on waterward slope 10 to 12 inches deep and approximately 5-ft in diameter.

No Photos

0.78	Rating **	M	Issue No.		128	
0.79	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude			
Category		Start		End		
Trim / Thi	n Trees		38.3434	95°	38.343617°	
Item				82°	-121.581249°	
DWR ID DWR_RD0999_05_s _ 2012_128						
	0.79 Earthen L Trim / Thi	0.79 Issue Type + Earthen Levee Trim / Thin Trees	0.79 Issue Type + Ma Earthen Levee Trim / Thin Trees	0.79 Issue Type + Ma Location * Earthen Levee GPS La Start Start Trim / Thin Trees 38.3434 -121.5812	0.79 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Trim / Thin Trees 38.343495 ° -121.581282 °	

Comment Code

T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

LM Start	0.78	Rating **	М	Issue No.	128 (cont)
LM End	0.79	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2018_RD0999_236_128_20180910_00059.jpg



Looking northwest at untrimmed trees on landward slope. (Spring 2015)



Looking at dense trees on landside slope and toe.

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
C: Corrected
U: Unacceptable
AW: Acceptable
AW: Acceptable but Monitor & Maintain

** Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	0.84	Rating **	М	Issue No.	10		
LM End	0.84	Issue Type +	Ма	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory	Category					End	
Item	Vegetation			38.344294°		38.344294°	
пеш				-121.581054°		-121.581054°	
DWR ID	DWR_RD0	999_05_s _ 201	8_10				
Comment Code							
V2 : Remove the wild growth other than native grasses from the levee slopes.							

Inspector Comment

LMA sprayed vegetation but needs to clear dead vegetation.



Vegetation waterside looking north. Spring 2018

LM Start	0.93	Rating **	С	Issue No.		197
LM End	0.95	Issue Type +	Ma	Location *	LS	
Category	Earthen L		GPS Latitude/Longitude			
Calegory			Start		End	
Item	Trim / Thin Trees				64°	38.345844°
пеш			-121.580614°		-121.580458°	
DWR ID DWR_RD0999_05_f _ 2014_197						
		_	. ^			

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

LM Sta	rt	1.04	Rating **	М	Issue No.		146	Τ
LIVI Sta	li t	1.04	9	IVI	10000 1101		170	
LM En	d	1.06	Issue Type +	Ma	Location *	LS		
Catago	r) (Earthen L	evee		GPS La	titud	le/Longitude	
Category					Start		End	
Item		Trim / Thin Trees			38.3470	67°	38.347331	0
пеш			-121.5797	35°	-121.579582	0		
DWR ID DWR_RD0999_05_f _ 2013_146								
			Comn	nent Cod	le			

T3: Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

* Location

LS : Land Side

WS: Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	1.15	Rating **	U	Issue No.		15		
LM End	1.19	Issue Type +	Ma	Location *	LS			
Category	evee	GPS Latitude/Longitude						
Category				Start		End		
Trim / Thin Trees			38.348237 °		38.348328°			
пеш				-121.578440 °		-121.577735°		
DWR ID	DWR ID DWR_RD0999_05_s _ 2012_15							
Comment Code								
T1 : Trim trees to at least five feet above ground level.								

Inspector Comment



Looking north at untrimmed trees on landward slope and toe.

LM Start	1.30	Rating **	М	Issue No.		36
LM End	1.30	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	titud	le/Longitude
Calegory			Start		End	
Item	Trim / Thi	n Trees		38.3482	52°	38.348252 °
item			-121.5757	04°	-121.575704°	
DWR ID	DWR_RD0999_05_s _ 2012_36					

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

LM Start	1.55	Rating **	М	Issue No.		18	
LM End	1.61	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.3498	48°	38.350757	0
item				-121.5736	48°	-121.573910	0
DWR ID	DWR RD0	999 05 s 201	2 18				

Comment Code

T3: Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

LMA trimmed some trees but latter stretch needs trimming.



Photo 1 of 1: FA_2018_RD0999_236_18_20180910_00020.jpg

Looking east at dense trees on landward slope.

Location

LS : Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

+ Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	1.69	Rating **	U	Issue No.		199	
LM End	1.69	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
ltom	, Vegetation			38.3519	57°	38.351957°	
пеш	Item S				96°	-121.574096°	
DWR ID DWR_RD0999_05_f _ 2014_199							
Comment Code							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Dense vegetation on landward slope. Poison oak is in area, according to LMA.

Photo 1 of 1 : FA_2018_RD0999_236_199_20180910_00105.jpg



Looking northwest at dense vegetation on landward slope.

LM Start	1.70	Rating **	M	Issue No.	21		
LM End	1.77	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trim / Thin Trees			38.3520	88°	38.352968 °	
пеш			-121.574052 °		-121.574008°		
DWR ID DWR_RD0999_05_s _ 2012_21							
		_	. ^				

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment

LMA sprayed vegetation but needs clear debris.

No Photos

LM Start	2.14	Rating **	С	Issue No.		24	
LM End	2.16	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Trim / Thi	n Trees		38.3554	02°	38.355282	0
пеш		Timi Fices		-121.5688	93°	-121.568547	0
DWR ID	DWR_RD0	999_05_s _ 201	2_24				
		_					

Comment Code

T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

* Location

LS : Land Side N/A : Not Applicable

WS : Water Side

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated

C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	2.36	Rating **	С	Issue No.		42	
LIVI Start	2.30	9		10000 1101		74	
LM End	2.48	Issue Type +	Ma	Location *	WS		
Category	Earthen L	arthen Levee GPS Latitud			de/Longitude		
Category				Start		End	
Item	Trim / Thin Trees			38.354916°		38.355982°	
item				-121.5651	67°	-121.563561 °	
DWR ID DWR_RD0999_05_s _ 2012_42							
Comment Code							
T2 : Thin to	T2 : Thin trees to allow visibility of the ground and room to flood fight.						

Inspector Comment

Photo 1 of 1: FA_2018_RD0999_236_82_20180910_00042.jpg

No Photos



Looking northwest at dense trees on landward slope. (Spring 2015)

LM Start	2.49	Rating **	М	Issue No.		82	
LM End	2.65	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trim / Thin Trees			38.3561	77°	38.358132°	
пеш			-121.5634	52°	-121.562347°		
DWR ID DWR_RD0999_05_s _ 2012_82							
		_					

Comment Code

T3: Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

Landowner sprayed vegetation and will clear debris.

LM Start	3.22	Rating **	С	Issue No.		191	
LM End	3.63	Issue Type +	Ma	Location *		CR	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Crown Surface / Depressions /			38.3646	98°	38.366911	0
item	Rutting	-121.5601	58°	-121.556784	0		
DWR ID	DWR_RD0	999_05_s _ 201	14_191				
		Comr	nent Coc	de			

C3: Add appropriate gravel or road base. Grade and compact.

Inspector Comment

No Photos

* Location LS : Land Side N/A: Not Applicable WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	3.29	Rating **	С	Issue No.		68
LM End	3.29	Issue Type +	Ma	Location *	LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Category				Start		End
Item	Trim / Thi	n Trees	38.3643	41 °	38.364341 °	
пеш				-121.558928 °		-121.558928°
DWR ID	DWR_RD0	999_05_s _ 201	8_68			
		Comn	nent Coc	de		
T1: Trim t	rees to at l	east five feet	above g	round level.		
		Inspecto	or Comm	nent		

No Photos

LM Start	3.38	Rating **	Α	Issue No.		80
LM End	3.60	Issue Type +	Ma	Location *	WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetation			38.3638	12°	38.366448°
пеш				-121.5572	58°	-121.556888°
DWR ID	DWR_RD0999_05_f _ 2018_80					

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Waterside vegetation is maintained.

Photo 1 of 1: FA_2018_RD0999_236_80_20181116_00195.jpg



View of maintained waterside vegetation. Fall 2018

LM Start	3.39	Rating **	С	Issue No.		213	
LM End	3.39	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	titud	e/Longitude	
Calegory		Start	End				
Item	Trim / Thi	n Trees		38.3639)6°	38.363906	0
item				-121.5572	20°	-121.557220	0
DWR ID	DWR_RD0	999_05_s _ 201	6_213				
		Comp	ont Coo	10			

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

LMA submitted corrections after the inspection.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	3.39	Rating **	Α	Issue No.		79	
LM End	3.57	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Vegetation			38.3638	53°	38.366057°		
item				-121.557218°		-121.556822°	
DWR ID	DWR ID DWR_RD0999_05_f _ 2018_79						
		Comn	nent Cod	de			
V1 : Contre		rass and wee	eds on th	e levee slop	pes a	and	
		Inspecto	or Comm	nent			
Landside v	egetation	is maintained					



View of maintained landside vegetation. Fall 2018

LM Start	3.55	Rating **	М	Issue No.		83
LM End	3.55	Issue Type +	Ma	Location *	WS	
Category	evee	GPS Latitude/Longitude				
Calegory			Start		End	
Erosion / Bank Caving			38.3657	42°	38.365742°	
пеш	item			-121.5567	78°	-121.556778°
DWR ID DWR_RD0999_05_f _ 2018_83						
Comment Code						

E1: Note and monitor erosion site.

Inspector Comment

Large fallen tree caused some slope damage.



View of a fallen tree and slope damage. Fall 2018

	LM Start	3.56	Rating **	С	Issue No.		173	
	LM End	3.56	Issue Type +	Ма	Location *	WS		
	Category	GPS Latitude/Longitude						
	Category				Start		End	
	Trim / Thin Trees				38.3658	82°	38.365882	0
						-121.556762	0	
	DWR ID	DWR_RD0	999_05_f _ 201	5_173				
			Comn	nent Cod	le			

T4: Trim trees over roadway to at least 12 feet above ground level.

Inspector Comment

No Photos

Location	
LS: Land Side	N/A: Not Applica
M/S · Mator Sido	

CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	3.58	Rating **	С	Issue No.		201
LM End	3.64	Issue Type +	Ma	Location *	LS	
Category Earthen Levee GPS Latitude/Longitude						le/Longitude
Calegory	Category			Start		End
Item	Trim / Thin Trees			38.3661)3°	38.367035 °
пеш				-121.5568	20°	-121.556781 °
DWR ID DWR_RD0999_05_f _ 2014_201						
Comment Code						
T2: Thin trees to allow visibility of the ground and room to flood fight.						

Inspector Comment

No Photos

LM Start	3.68	Rating **	M	Issue No.		69
LM End	3.68	Issue Type +	Ma	Location *	LS	
Category	evee	GPS Latitude/Longitude				
Category			Start		End	
Item	Erosion / Bank Caving			38.3675	29°	38.367529°
item			-121.556455 °		-121.556455 °	
DWR ID	DWR_RD0	999_05_s _ 201	8_69			

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair hole caused by removal of fencepost.



Erosion landside looking west. Spring 2018

LM Start	3.80	Rating **	M	Issue No.		85	
LM End	3.80	Issue Type +	Ma	Location *		WS	
Category	GPS Latitude/Longitude						
Calegory				Start		End	
Item	Erosion / Bank Caving			38.3681	75°	38.368175	0
item				-121.5543	92°	-121.554392	0
DWR ID	DWR_RD0	999_05_f _ 201	8_85				

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Fallen tree damaged portion of levee slope.





View of fallen tree and slope damage. Fall 2018

Location LS : Land Side

N/A: Not Applicable

WS: Water Side

U : Unacceptable

: Acceptable : Minimally Acceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	3.80	Rating **	М	Issue No.		174
LIVI Start	3.00		IVI			
LM End	3.80	Issue Type +	Ма	Location *		WS
Category Earthen Levee			GPS La	atitud	e/Longitude	
Calegory				Start		End
Item	Encroachments			38.3682	.07°	38.368207°
item					60°	-121.554360°
DWR ID	DWR_RD0	999_05_f _ 201	5_174			
		Comn	nent Cod	de		
TR : Tree	or limb					
Inspector Comment						
Tree branch and limbs on waterside slope.						

Photo 1 of 1: FA_2018_RD0999_236_174_20180910_00093.jpg

Looking at tree branch on waterward slope.

LM Start	4.01	Rating **	М	Issue No.		90
LM End	4.01	Issue Type +	Ma	Location * WS		WS
Earthen Levee GF						e/Longitude
Calegory	Category					End
Item	Encroachments 38.369813 ° 38.369813					38.369813°
-121.552985 ° -121.552985					-121.552985 °	
DWR ID DWR_RD0999_05_f _ 2018_90						
Comment Code						

TR: Tree or limb

Inspector Comment

Tree debris needs to be cleared from levee slope.

Photo 1 of 1: FA_2018_RD0999_236_90_20181116_00198.jpg



View of tree debris on levee easement. Fall 2018

LM Start	4.08	Rating **	М	Issue No.		91	
LM End	4.08	Issue Type +	Ма	Location *	WS		
Category	Category Earthen Levee				GPS Latitude/Longitude		
Category	egory					End	
Item	Erosion /	Erosion / Bank Caving			53°	38.370853 °	
item				-121.55360)5 °	-121.553605 °	
DWR ID	DWR ID DWR_RD0999_05_f _ 2018_91					·	
0 10 1							

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Tree fell with rootball exposed.

Photo 1 of 1: FA_2018_RD0999_236_91_20181116_00199.jpg



View of tree with rootball exposed. Fall 2018

*	Location
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N/A: Not Applicable LS: Land Side

WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

4.25	Rating **	U	Issue No.		12		
4.25	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Slope Sta	Slope Stability			72 °	38.372872°		
			-121.5521	85 °	-121.552185 °		
DWR ID DWR_RD0999_05_s _ 2017_12							
Comment Code							
	4.25 Earthen L Slope Sta	4.25 Issue Type + Earthen Levee Slope Stability DWR_RD0999_05_s_201	4.25 Issue Type + Ma Earthen Levee Slope Stability DWR_RD0999_05_s _ 2017_12	4.25 Issue Type + Ma Location * Earthen Levee GPS La Start Slope Stability 38.3728 -121.5521 DWR_RD0999_05_s _ 2017_12	### A.25 Issue Type + Ma Location * Earthen Levee GPS Latitude		

S1: Repair slope instability.

Inspector Comment

LMA repaired cracks, but sloughing damage still needs to be repaired.

Photo 1 of 1: FA_2018_RD0999_236_12_20180910_00011.jpg



Looking downstream at finger erosion on downstream side of slough.

LM Start	4.51	Rating **	С	Issue No.		32	
LM End	4.85	Issue Type +	Ma	Location *	CR		
Category	Earthen L	rthen Levee			GPS Latitude/Longitude		
Calegory	alegory			Start		End	
Item		rface / Depres	ssions /	38.37508	4°	38.377176°	
пеш	" Rutting		-121.54875	0°	-121.543571 °		
DWR ID	DWR_RD0	999_05_f _ 201	2_32		·	·	

Comment Code

C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.

Inspector Comment

No Photos

LM Start	4.55	Rating **	С	Issue No.		72	
LM End	4.55	Issue Type +	Ma	Location *		WS	
Catagory	Earthen L	evee		GPS La	titud	e/Longitude	
Category			Start		End		
Item	Vegetation		38.375073°		38.375073	٥	
пеш				-121.5480	44 °	-121.548044	0
DWR ID	DWR_RD0	999_05_s _ 201	18_72				
		Comn	nent Cod	de			

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

No Photos

* Location

LS: Land Side

WS: Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	4.55	Rating **	С	Issue No.		70	
LM End	4.55	Issue Type +	Ma	Location *		LS	
Catagony	Category Earthen Levee			GPS Latitude/Longitude			
Calegory	alegory			Start		End	
Item	Vegetatio	n		38.375076°		38.375076°	
пеш				-121.5480	43°	-121.548043 °	
DWR ID	DWR_RD0	999_05_s _ 201	8_70			·	
	Comment Code						
V2 · Remo	ve the wild	d growth other	than na	tive grasses	s fro	m the levee	

slopes.

Inspector Comment

No Photos

LM Start	4.62	Rating **	U	Issue No.		28
LM End	4.62	Issue Type +	Ма	Location *		WS
Category	Earthen L	GPS Latitude/Longitude				
Calegory				Start		End
Item	Encroach	ments		38.37530)8°	38.375308°
item					28°	-121.546828 °
DWR ID	DWR_RD0	999_05_s _ 201	7_28			

Comment Code

TR: Tree or limb

Inspector Comment

Fallen tree on waterside slope and is partly in water. Large hole on waterside slope previously noted was not visible during this inspection.

Photo 1 of 1: FA_2018_RD0999_236_28_20181116_00200.jpg



View of dead tree on slope. Fall 2018

LM Start	4.65	Rating **	N	Issue No.	62		
LM End	4.65	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	titud	e/Longitude	
Calegory	Category					End	
Item	Trim / Thi	n Trees		38.3753	65 °	38.375365	0
пеш				-121.5463	05°	-121.546305	0
DWR ID	DWR_RD0	999_05_s _ 201	2_62				
		Comn	nent Cod	le			

T5: Tree stumps.

Inspector Comment

Photo 1 of 1: FA_2018_RD0999_236_62_20181116_00201.jpg



View of tree stump on levee slope. Fall 2018

* Location

LS : Land Side N/A: Not Applicable

WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

	F 44	Rating **	N 4	Issue No.		^F	
LM Start	5.11	Rating	М	issue ivo.	95		
LM End	5.11	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Category	alegory			Start		End	
Item	Vegetatio	n		38.38026	2°	38.380262 °	
Item					8°	-121.541088 °	
DWR ID	WR ID DWR_RD0999_05_f _ 2018_95						
	Comment Code						

 $\ensuremath{\text{V2}}$: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

LMA sprayed vegetation on slope but needs to clear dead vegetation.

Photo 1 of 3: FA_2018_RD0999_236_176_20180910_00094.jpg

No Photos



Looking at hole from fallen tree on waterward shoulder. (Fall 2016)

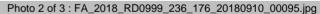
Rating ** Issue No. 176 5.12 М LM Start 5.12 Issue Type + Location * WS LM End Earthen Levee GPS Latitude/Longitude Category End Start Slope Stability 38.380420° 38.380420° Item -121.541102° -121.541102° DWR_RD0999_05_f _ 2015_176 DWR ID Comment Code

S1 : Repair slope instability.

Inspector Comment

Large hole on waterside shoulder remains, but tree was removed.

LM Start	5.12	Rating **	М	Issue No.	176 (cont)
LM End	5.12	Issue Type +	Ma	Location *	WS





Looking at hole on waterward shoulder caused by fallen tree.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M: Minimally Acceptable CR : Corrected U: Unacceptable A/W : Acceptable but Monitor & Maintain

** Rating

A : Not Applicable M: Not Inspected/Rated M: Minimally Acceptable D: C: Corrected Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	5.12	Rating **	М	Issue No.		176 (cont)		
LM End	5.12	Issue Type +	Ма	Location *	WS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Slope Sta	bility		38.3804	20°	38.380420°		
пеш			-121.5411	02 °	-121.541102°			
DWR ID DWR_RD0999_05_f _ 2015_176								
		Comn	nent Cod	de				
S1 : Repai	r slope ins	tability.						
			_					
Inspector Comment								
Large hole on waterside shoulder remains, but tree was removed.								

Photo 3 of 3 : FA_2018_RD0999_236_176_20180910_00096.jpg

Looking at fallen tree and hole on waterward slope and shoulder.

LM Start	5.31	Rating **	С	Issue No.		214
LM End	5.31	Issue Type +	Ma	Location *	WS	
Category	evee	GPS La	atitud	e/Longitude		
Category				Start		End
Item	Encroachments			38.3811	78°	38.381178°
пеш			-121.5441	93 °	-121.544193°	
DWR ID	DWR_RD0999_05_s _ 2016_214					

Comment Code

PR: Prunings

Inspector Comment

Pruning pile on waterside slope.

LM Start	5.35	Rating **	U	Issue No.		97		
LM End	5.35	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Erosion / Bank Caving			38.3812	97°	38.381297°		
item	Rem				37°	-121.545037°		
DWR ID	DWR_RD0	999_05_f _ 201	8_97					
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.		
Inspector Comment								
Fallen trees removed section of levee toe.								



View of fallen tree and levee scarp. Fall 2018

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	5.35	Rating **	U	Issue No.		97 (cont)	
LM End	5.35	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.3812	97°	38.381297°	
item		-121.5				-121.545037 °	
DWR ID	VR ID DWR_RD0999_05_f _ 2018_97						
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Fallen trees removed section of levee toe.							



View of fallen tree and levee scarp. Fall 2018

LM Start	5.50	Rating **	U	Issue No.		71						
LM End	5.55	Issue Type + Ma Location *		Location *		Location *		Location *		pe + Ma Location *		WS
Category	Earthen L	GPS La	atitud	e/Longitude								
Calegory	alegory					End						
Item	Vegetation			38.3827	90°	38.383548						
пеш				-121.5467	54°	-121.546728						
DWR ID	DWR_RD0999_05_s _ 2012_71											

Comment Code V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment



Looking northeast at dense vegetation on waterside slope.

LM Start	5.53	Rating **	С	Issue No.		74		
LM End	5.53	Issue Type +	Ma	Location *		LS		
Cotogory Earthen Levee				GPS La	atitud	e/Longitude		
Calegory	Category					End		
Item	Encroachments			38.383349°		38.383349		
item				-121.5467	78°	-121.546778		
DWR ID	DWR_RD0	999_05_s _ 201	8_74					
Comment Code								
TR : Tree	or limb							

Inspector Comment

Removed downed tree limbs.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	5.72	Rating **	М	Issue No.		99		
LM End	5.72	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Erosion / Bank Caving				78°	38.384578 °		
пеш				-121.5441	73 °	-121.544173°		
DWR ID DWR_RD0999_05_f _ 2018_99								
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.		
		Inspecto	or Comm	nent				
Fallen tree lifted portion of levee toe.								



View of fallen tree and slope damage. Fall 2018

LM Start	6.13	Rating **	С	Issue No.	60			
LM End	6.13	Issue Type +	Ma	Location *	LS			
Category	evee	GPS Latitude/Longitude						
Category				Start		End		
Item	Trim / Thin Trees				25 °	38.388225 °		
item				-121.5426	97 °	-121.542697°		
DWR ID	ID DWR_RD0999_05_s _ 2012_60							
	0 10 1							

Comment Code

T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

LM Start	6.43	Rating **	С	Issue No.		92			
LM End	6.48	Issue Type +	Ma	Location *	LS				
Catagory	Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start	End				
Item	Encroach	ments		38.3913	55°	38.391776	0		
item				-121.5401	13°	-121.539295	0		
DWR ID	DWR_RD0	999_05_s _ 201	2_92						
Comment Code									

PR : Prunings

Inspector Comment

Large pruning piles and fallen tree on waterside and landside shoulder and slope.

* Location	** Rating		+ Issue Type		
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement		

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	6.44	Rating **	М	Issue No.		181	
LM End	6.44	Issue Type +	Ma	Location *		LS	
Category Earthen Levee Trim / Thin Trees				GPS La	atitud	e/Longitude	
				Start		End	
				38.391502°		38.391502°	
пеш				-121.539897 °		-121.539897°	
DWR ID	DWR_RD0	999_05_f _ 201	5_181			·	
		Comn	nent Cod	de			
T1: Trim t	rees to at l	east five feet	above g	round level			
-							
	Inspector Comment						
Untrimmed	trees on	landside slope	and toe).			

Photo 1 of 1: FA_2018_RD0999_236_181_20180910_00097.jpg

Looking northwest at untrimmed trees on landward slope and toe.

LM Start	8.14	Rating **	С	Issue No.		205			
LM End	8.14	Issue Type +	Ma	Location *	WS				
Category	Earthen L	evee		GPS La	atitud	le/Longitude			
Calegory				Start	Start End				
Item	Trim / Thi	n Trees		38.4098	76°	38.409876 °			
пеш				-121.5393	48°	-121.539348°			
DWR ID DWR_RD0999_05_f _ 2014_205									
		Comn	nent Coo	le					

T4: Trim trees over roadway to at least 12 feet above ground level.

Inspector Comment

No Photos

	LM Start	8.15	Rating **	С	Issue No.		220	
	LM End	8.42	Issue Type +	Ma	Location *		CR	
	Category	Earthen L	evee		GPS Latitude/Longitude			
	Calegory				Start		End	
	Item	Crown Surface / Depressions /			38.4098	92°	38.408612	0
	item	Rutting			-121.5392	25 °	-121.534570	0
	DWR ID	DWR_RD0	999_05_s _ 201	6_220				
Comment Code								

Comment Code

C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.

Inspector Comment

No Photos

* Location

LS : Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable

U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	8.22	Rating **	С	Issue No.	206	
LM End	8.22	Issue Type +	Ma	Location *	LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory			Start		End	
Item	Trim / Thi	m / Thin Trees			79°	38.409679°
item			-121.537920 °		-121.537920 °	
DWR ID	DWR_RD0	999_05_f _ 201	4_206			
		Comn	nent Cod	de		
T1: Trim t	rees to at l	east five feet	above g	round level.		
		Inspecto	or Comm	nent		

LM Start	8.22 Rating ** C		С	Issue No.		118	
LM End	8.22	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	titud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.4096	65 °	38.409665	0
пеш				-121.5378	98 °	-121.537898	0
DWR ID	DWR_RD0	999_05_s _ 201	2_118				

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

No Photos

LM Start	8.44	Rating **	М	Issue No.		88			
LM End	8.54	Issue Type +	Ma	Location *	CR				
Category	Earthen L	GPS Latitude/Longitude							
Calegory				Start		End			
	Crown Surface / Depressions /			38.4088	00°	38.409835	٥		
item	Rutting			-121.5342	84°	-121.533124	٥		
DWR ID	DWR_RD0	999_05_s _ 201	8_88						
	Comment Code								

C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.

Inspector Comment

Crown is degraded by animal traffic.

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	8.50	Rating **	М	Issue No.	102			
LM End	8.50	Issue Type +	Ма	Location *	CR			
Category	Earthen L	evee		GPS La	SPS Latitude/Longitude			
Calegory				Start End				
Item	Repair Gates			38.40942	21 °	38.409421 °		
пеш			-121.53352	° 02	-121.533520°			
DWR ID	R ID DWR_RD0999_05_f _ 2018_102							
	Comment Code							

Inspector Comment

Levee segment LM 8.50-8.82 was inaccessible due to landowner's new locks. LMA needs to get the combinations.

LM Start	8.61	Rating **	M	Issue No.		123	
LM End	8.61	Issue Type +	Ma	Location *		LS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Trim / Thin Trees			38.41043	84°	38.410434°	
			-121.53205	60°	-121.532050 °		
DWR ID DWR_RD0999_05_s _ 2012_123							

Comment Code

T4: Trim trees over roadway to at least 12 feet above ground level.

Inspector Comment

Rating ** Issue No. С 223 LM Start 8.64 Location * 8.72 Issue Type + Ma CR LM End Earthen Levee GPS Latitude/Longitude Category Start End Vegetation 38.410696° 38.411560° Item -121.531584° -121.530479° DWR ID DWR_RD0999_05_f _ 2016_223 Comment Code

V9: Keep the crown roadway free of vegetation.

Inspector Comment

Control growth on levee crown

No Photos

No Photos

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	11/14/2018 11/14/2018	Luz Dial

LM Start	8.73	Rating **	U	Issue No.		89	
LM End	8.77	Issue Type +	Ma	Location *		CR	
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Trim / Thin Trees			38.411637°		38.411959	
				-121.530312 °		-121.529838	
DWR ID	DWR_RD0999_05_s _ 2018_89						
		Comn	nent Cod	de			
T4 : Trim trees over roadway to at least 12 feet above ground level.							
Inspector Comment							

No Photos

Rating ** С Issue No. 9.01 108 LM Start 9.01 Issue Type + Ма Location * WS LM End Earthen Levee GPS Latitude/Longitude Category Start End Encroachments 38.415412° 38.415412° Item -121.529500° -121.529500° DWR_RD0999_05_f _ 2017_108 DWR ID Comment Code

No Photos

PR : Prunings

Inspector Comment

Rating ** Issue No. A/W 114 LM Start 9.39 9.39 Issue Type + Ma Location * LS LM End GPS Latitude/Longitude Earthen Levee Category Start End Vegetation 38.413377° 38.413377° Item -121.524500° -121.524500° DWR ID DWR_RD0999_05_s _ 2012_114 Comment Code

No Photos

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

* Location

LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

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